

# Memoranda

Sic # 5 1964  
Christmas Is., June 16-17  
Malden Is., June 22-24  
Starbuck Is., June 26  
Hull Is., July 8  
Phoenix Is., July 13-20  
Baker Is., July 21  
Howland Is., July 22



✓ ~~ADH~~ - CPH

Done 10/19/68  
CPH

Expense Account  
for ATF Trip

for Douglas E. Gill

Received \$ 2.50 cash  
390.00 traveler's checks

Paid \$ 3.75 taxi  
.75 luggage  
.75 tip  
.75 telegram  
.60 lunch

29 May 1964

1.50 lunch  
1.10 breakfast  
1.00 sunglasses  
.92 lunch  
1.54 sun tan lotion

30 May .14 papaya  
.10 coke



30 May

1.50 breakfast

1.33 lunch

9.27 2 M. meals

<sup>35</sup>  
2.10 dinner

1 June

27.96 Room

1.95 lunch

5.98 underwear

2.07 belt

3 July

1.58 Vitamins pills

10.10 2 books and  
10 postcards

4 July

.30 ice cream

5 July

2.20 lunch (crap)

6 July

9.50 books

.70 2 caps

.30 cokes

15 June 1964 Christmas Isl.

544-46001

- 100

101

- 200

514-76483

01

544-46016 miniature

-46061 "

malformed! 46089  
right leg banded on left

46148 missing  
177 missing

Wetup Lark

605-20101



Christmas Island

Motu Upua 16 June 1964

544 - 48001 - 100 GT

~~101~~ - 200 GI

201 - 300 GI

301 - 400

401 - 500

514-79635 C.I.

{ 514-79897 C.I.

{ 514-79892 C.I.

{ 514-79670 C.I.

{ 514-77263 C.I.

{ 514-79662 C.I.

{ 514-79593 C.I.

{ 514-77211 C.I.

Locusts

Locusts (pawed)



Christmas Island  
Motu Upua

17 June 1964

Wegman's 615-04201

005-20115 WT



Malda Island

27 June 1964

25 nesting Boobies  
30 mixed Shrikes  
Tattlers, Phoebe  
Terns (?)

75 7 - 64 5 68 New

68 - ~~5~~ 68 F  
with nestling

74 M  
with nestling + mate  
75 5 - 66 123 New

75 7 - 64 5 98 2 on New  
2 eggs



{ 599 ♀ on 2 eggs  
 600 ♂ on 2 eggs

Malden Island 3 June 1964

757-62063 -

nestling  
 Blue-faced Booby

757-62063 →

64 - nestling

65 - "

66 - "

67 - "

68 - nestling

69 - "

70 - "

"

71 -

"

72 -

"

73 -

"

74 -

75 - nestling

76 - nestling

"

77 -

"

78 -

"

79 -

"

80 -

"

81 -



Great Frigate Bird <sup>nesting</sup>  
747-57332 →  
350

747-57351-  
Red-footed Booby <sup>nesting</sup>  
32 "  
63 "  
47 "  
54 "  
55 "  
56 "  
57 "

747-57358 - Great Frigate  
the 382 <sup>nesting</sup>

383 → 400  
adult ♂♂ Great  
on egg

at nest  
757-62401 <sup>nesting</sup>

401 ♂ } 2 eggs  
402 ♀ }

403 ♂

404 ♀

405 ♀ } 2 eggs  
406 ♂ }

407 ♂ } 2 eggs  
408 ♀ }

408 H } 1 nestling  
409 F }

757-62064

410 ♀ } 2 eggs  
411 ♂ }



412 ♀ } 1 young  
413 ♂ } healthy

414 ♀ → 2 eggs

415 ♀ → 1 egg

416 ♂ → 2 eggs

417 ♀

418 ♂ } 2 day old

419 ♀ } chick

420 ♀ → 2 eggs

421 ♂ } 1 young

422 ♀ } chick

423 ♀ } healthy

424 ♂ } healthy

425 chick

426 ♀ → 2 eggs

427 ♂ } 2 eggs

428 ♀ } 2 eggs

429 ♂ } 2 eggs

30 ♀ } 1 young

31 ♂ } chick

432 ♀ } laying

433 ♂ } chick

461 ♀

462 ♂ } 2 eggs

463 ♀

464 ♂ } 2 eggs

465 ♂ } 1 young

466 ♀ } chick

467 ♂ } 1 nestle

468 ♀

757 02075 } chick

469 ♀

470 ♂



491	♂	}	1 young
492	♀		chick
493	♀	}	2 eggs
494	♂		
495	♀	}	2 eggs
496	♂		
497	♂	}	1 young
498	♀		chick
499	♂		
500	♂		

Malden Island

24 June 1964 night

B. F. Boob

757 - 64201



Starbuck Island

26 June 1964

Sooty Tern

753-38701 → 800

{ 753-38901 → 39000

{ 753-06001 → 06500

---

27 June 1964

Sooty Tern

753-55001-55500

753-55501-6000



8 July 1964  
753 - 51201 - 300 DEG  
753 - 51301 - 400 CDH  
753 - 51401 - 500 FS

Sooty Tern  
Hull Island

753 - 53001 - 53500  
753 - 53501 - 54000

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12 July 1964  
Phoenix Island

Sooty Tern

793 - 56001 - 567000

743 - 36154

793 - 57701 - 800

- 57901 - 58000



ADP

13 July 1964  
Phoenix Island

Lesser Frigate ♀ 747-56601  
thru 648

+ 648 649 650  
699

✓ Blue-faced Booby ♀ on one year  
737-51247

♀ - 737-26161 on small  
chick

✓ ♂ 737-48089 on 2 eggs

✓ ♀ 737-~~261~~ 261 37 on one  
egg

✓ ♀ 737-48075 one ch



✓ADP

✓370 22045 ♂ on <sup>1 egg</sup>

band by nest

✓23940 ♂ on (egg)

Sooty Tern

793 - 59001 - 59500

Phoenix ✓ADP

13 July 1964

Blue-faced Booby

{ 735-48225 ♀ ✓

51477 ♂ marked

{ 757-67840 chick



McKean Island  
19 July 1964

~~Sooty Tern~~

~~793-66001-  
66500~~

~~723-66914~~

~~723-67339~~

~~743-38014~~

723-66764

743-34946



ADP

✓21570

♀

✓23700

♀

male  
banded  
2 eggs

✓22956

♀

McLean Island

20 July 1964

Blue-faced Booby Cl

457-64422

422 subadult

423

424

425

426

427

428 subadult

429

430

431 subadult

432 ♀ 2 eggs

433

434 subadult

435

436

437 subadult

438 subadult Cl

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

♀

♀?

♀

F

S

F

F

F

S

F

S

F

S

F

F

5



~~Phonix Island~~

McKean

456 S

✓ ADP

457-458 F

459 F

460-462 S

49433 F

20325 F ✓

63 S

64 F

65 F

20341 F ✓

22848 F ✓

66 S

~~66~~

51179 F ✓

467 F

22492 F ✓

July 20

468 F

469 S

470 S

21031 F ✓

471 F

472 F

21467 S ✓

28962 S ✓

21439 F ✓ Ends

473 F

474-476 S

477 M

478 S

479 F

480 S



✓ADP July 20

481 S

482 F

20345 S ✓

483 M

52902 M ✓ Ends

484 F

485 - 487 S

488 ?

489 - ~~490~~ M

490 F

491 F

492 F

52889 F ✓

493 S

494 F

✓ADP

495 - 496 ~~496~~ F

21429 F ✓

497 F

498 F

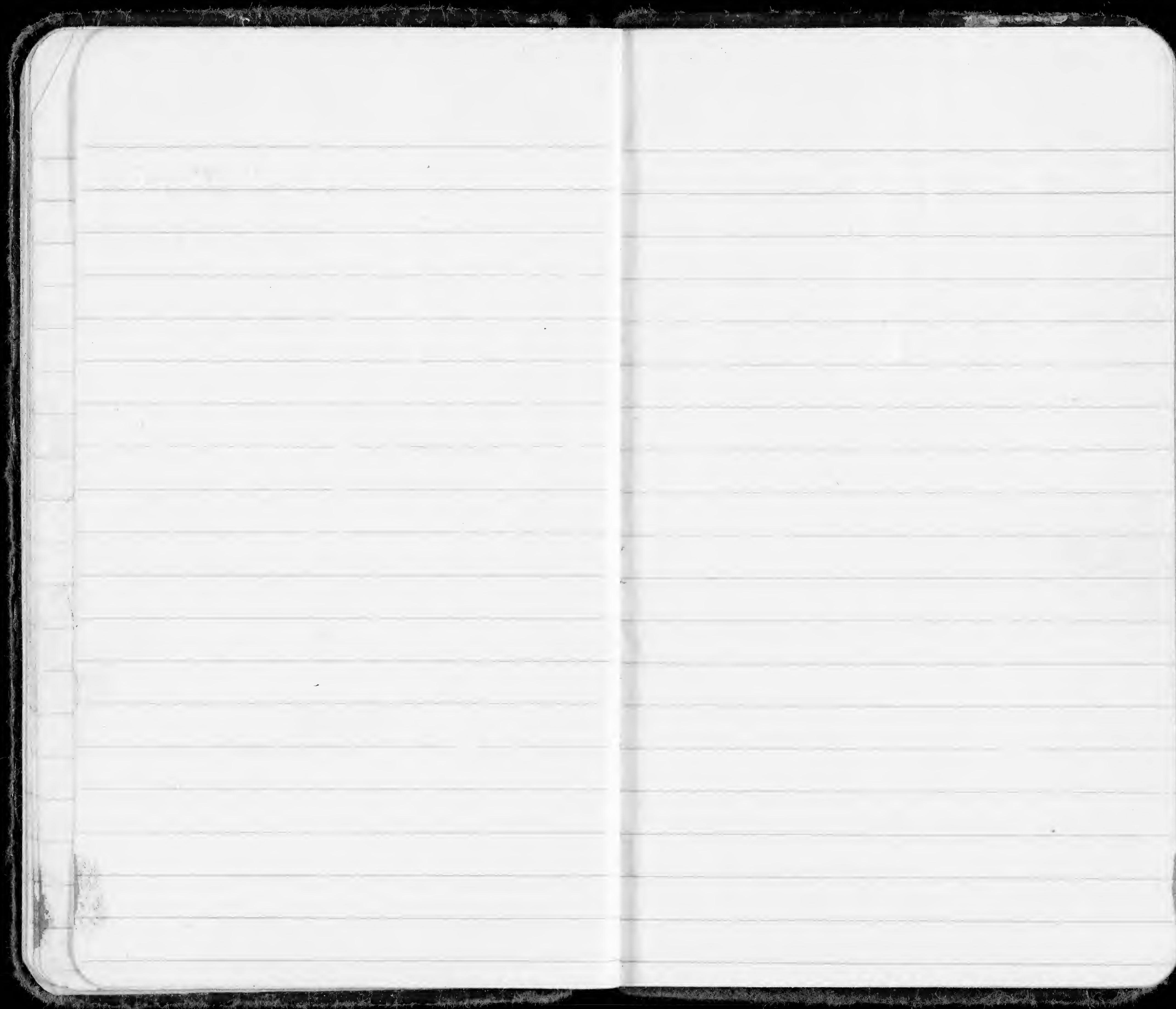
23689 ~~23689~~ ? ✓

26109 F ✓

499 S

500 F





753-35185

-02133

-35171

743-58106

-37350

58125

Bahia Island

21 July 1964

793-72001

006

007

008

009

} Adult C. Noddy

001-065 nestly

010-063 nestly



✓ ADP

735-

♀

25833

1 small  
chick

2 (I was about a cleared area  
but nothing in the nest)

Howland Island

- 2 July 1964

Blue-faced Booby

Eggs: 1, 1 egg: IIII

① III

② IIII IIII

Chick: 00000  
00 IIII  
000

00000  
00000  
00000  
00000  
00000

2\*

0000  
0000  
0000  
0000  
0000

Total Nest Count

{ 1 chick (4)

{ 1 egg (3)

2 eggs (10)

Total Chicks

① (53)

② 1

bandable

(34)

Brown Boy

1 chd small

1 M. B painted orange

1 chd

1 sep

||

Copier

① ||| 1

⑥

② ||| ||| ||| |||

①9

Thick

④

|||

|||

|||

|||

|||

|||

|||

|||

|||

⑤0

② ||

③2



✓ ADP Howland Island  
23 July 1962

✓ 20777 ♂ 1 ch  
✓ 23549 ♂ 1 ch  
✓ 39576 ♀ 2 eggs  
✓ 53489 ♀ 1 egg  
✓ 23610 ♀ 1 ch  
♂ unband  
✓ 53125 ♂  
✓ 20788 ♂

#  
~~200 8 birds~~

~~spare cot~~

~~Burkezi~~

~~leaf vial~~

~~can jam~~

~~apples + orange~~

~~birds in freezer~~

~~bandage~~

~~~~~

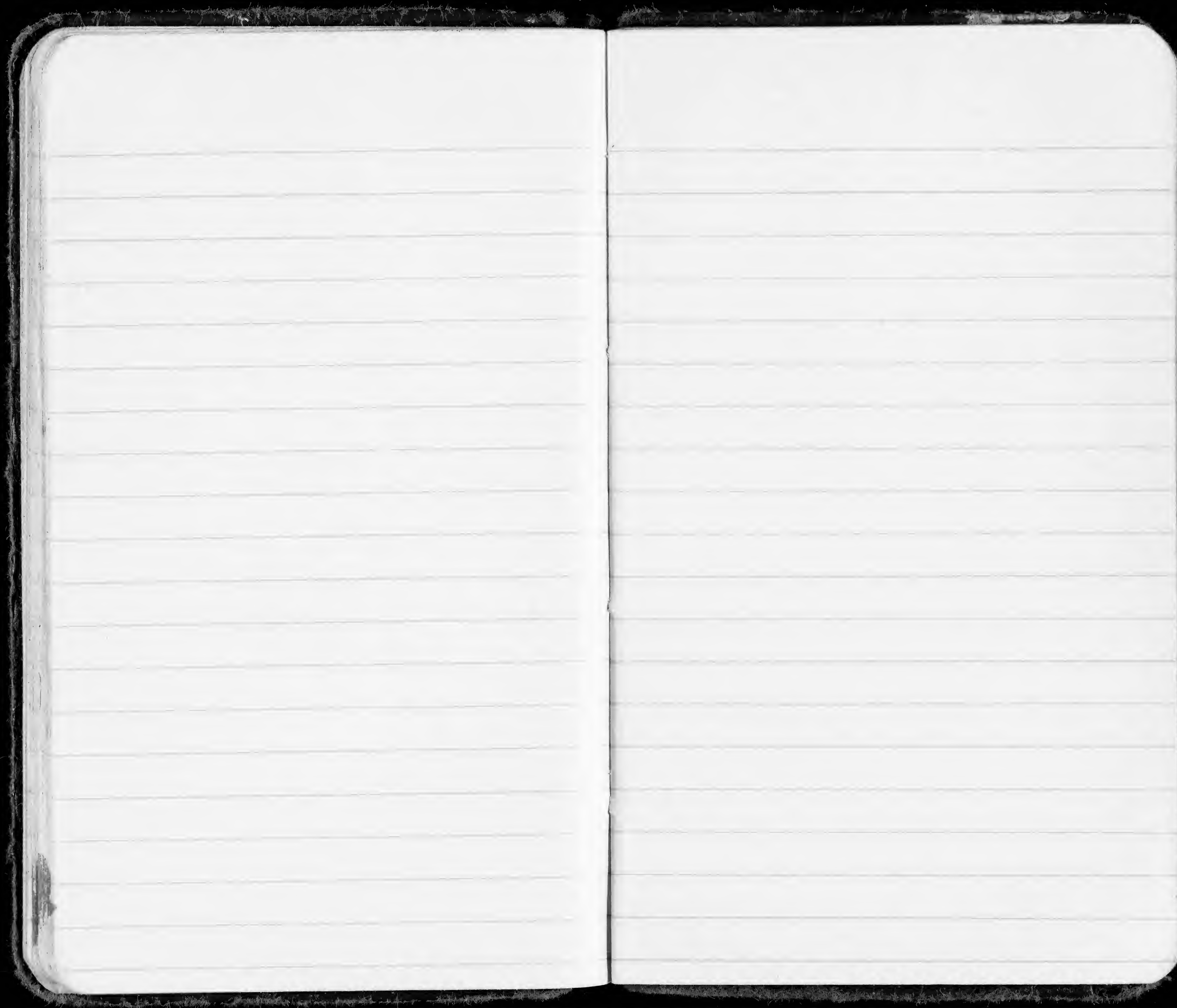
Lalam Station  
Leaves Laramie

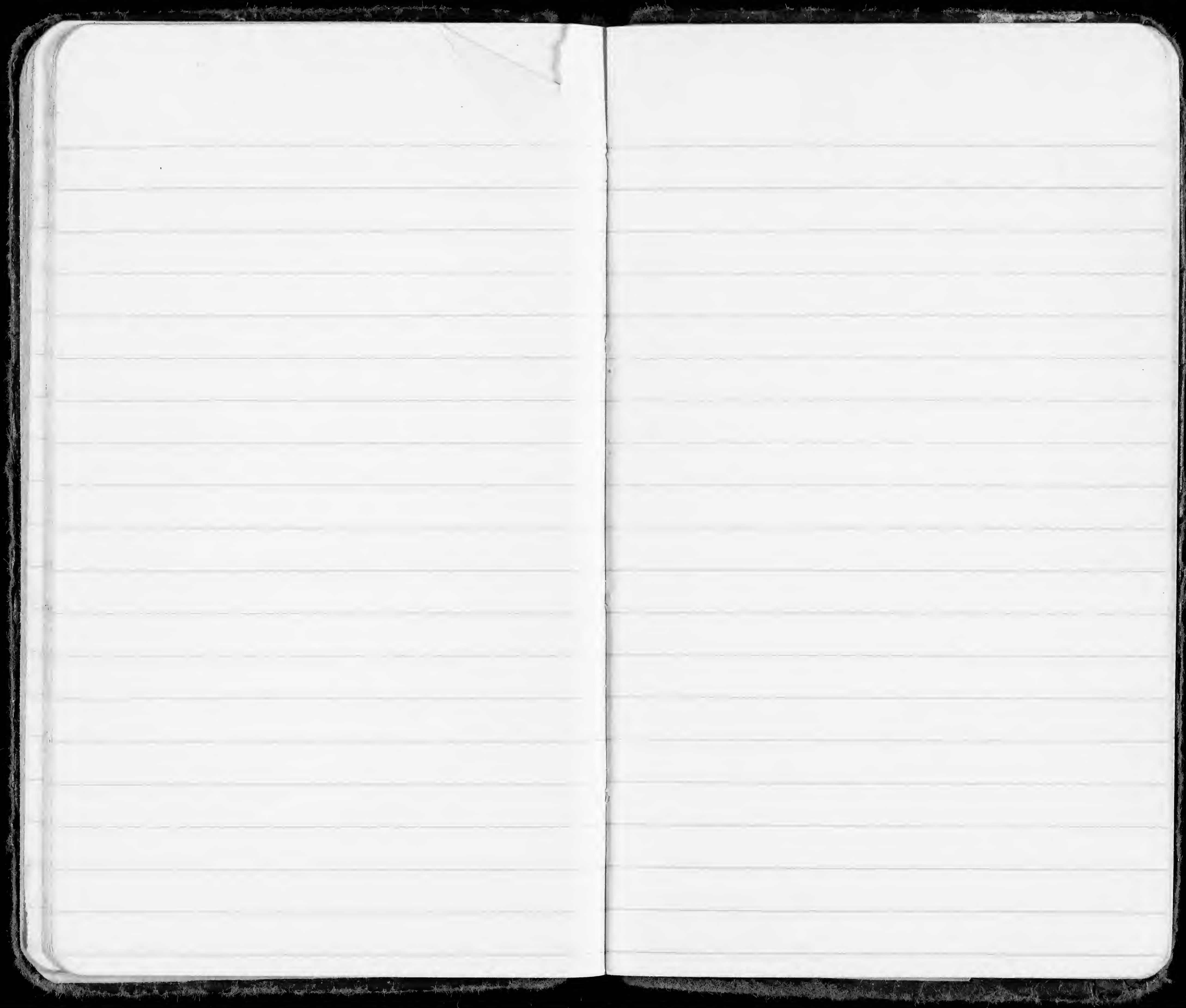
|              |            |
|--------------|------------|
| .25          |            |
| 10.25        |            |
| 13.85        |            |
| 10.30        | 25         |
| .26          | 115        |
| .44          | 10         |
|              | 15         |
| 1.59         | <u>765</u> |
| 6.18         |            |
| .25          |            |
| <u>43.37</u> |            |

Expenses in Honolulu  
1 August 1960

|   |       |                      |    |
|---|-------|----------------------|----|
| # | .25   | bus fare             |    |
|   | 10.25 | Radiographs (2)      | 19 |
|   | 13.85 | Pack packs.          | 20 |
|   | 10.30 | shirts (3)           | 21 |
|   | .26   | shoelaces            |    |
|   | .44   | coin purse           |    |
|   | 1.59  | flashlight & battery |    |
|   | 6.18  | shoes.               |    |
|   | .25   | bus fare.            |    |









Time Schedules  
for Douglas P. Bill

29 May 1964.

Left the  $\Phi \Sigma \kappa$  fraternity  
house at 8:00 A.M.

Arrived at the Museum at  
9:00

Left Museum in taxi at  
10:50

Arrived at Friendship airport  
12:05

Left on TWA flight <sup>R</sup>61  
at 3:00 P.M. EST.

Arrived at Los Angeles Airport  
at 7:55 P.M. EDT or

4:55 P.M. PDT

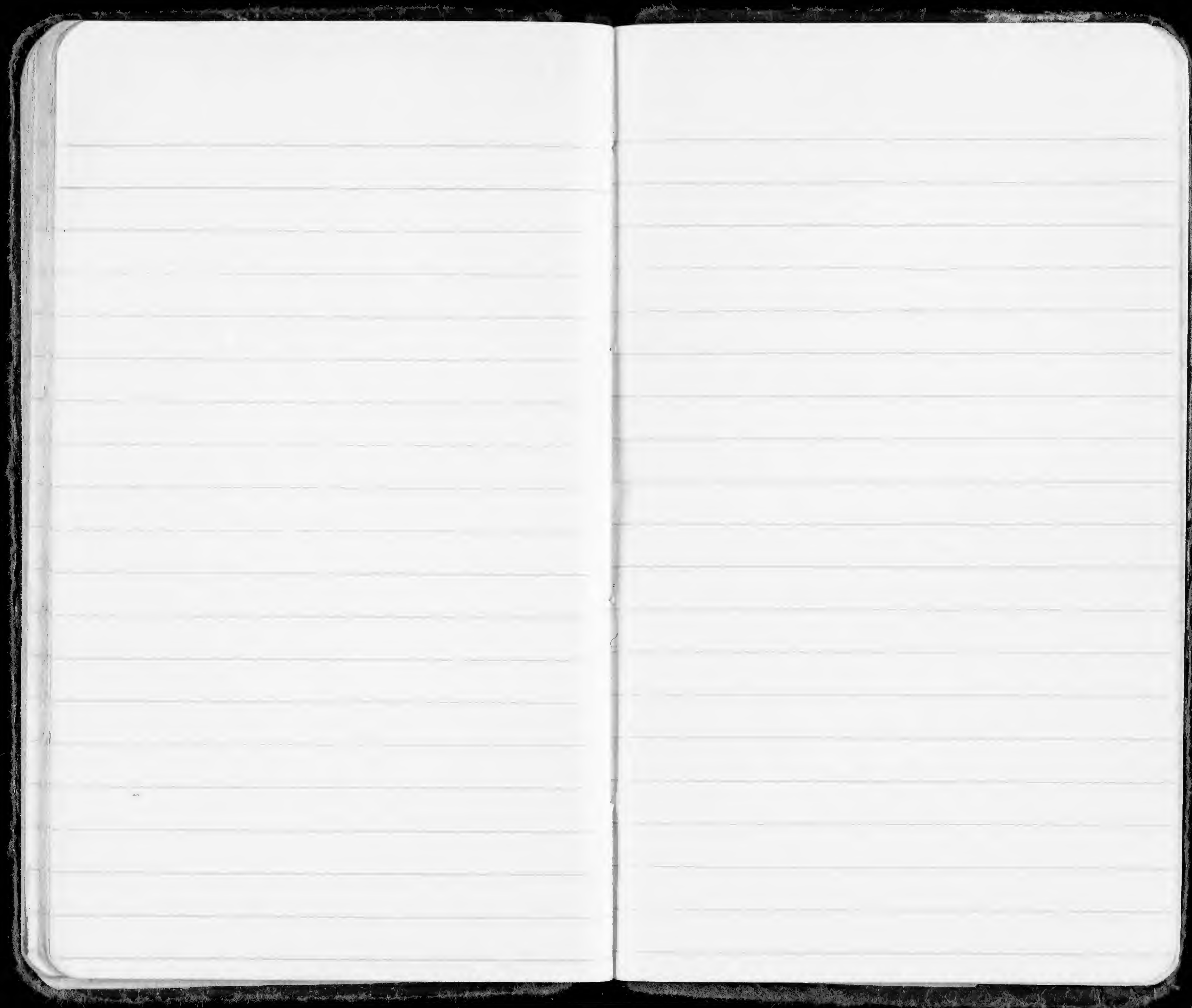
Left Los Angeles Airport on  
Pan Am flight <sup>B</sup>825 at 7:00  
P.M. PDT.

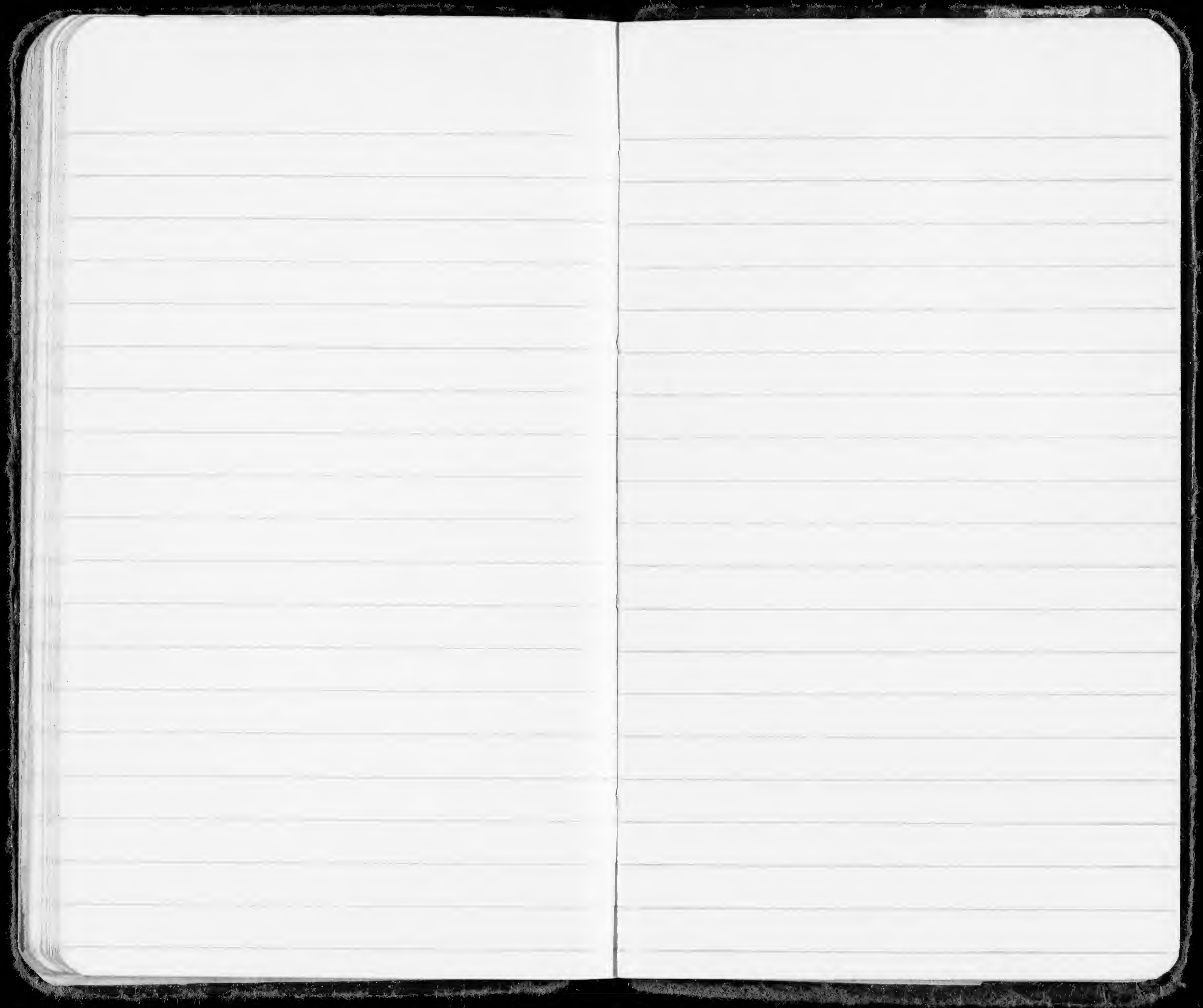
arrived Honolulu Airport at

9:30 HST or

12:30 PDT.



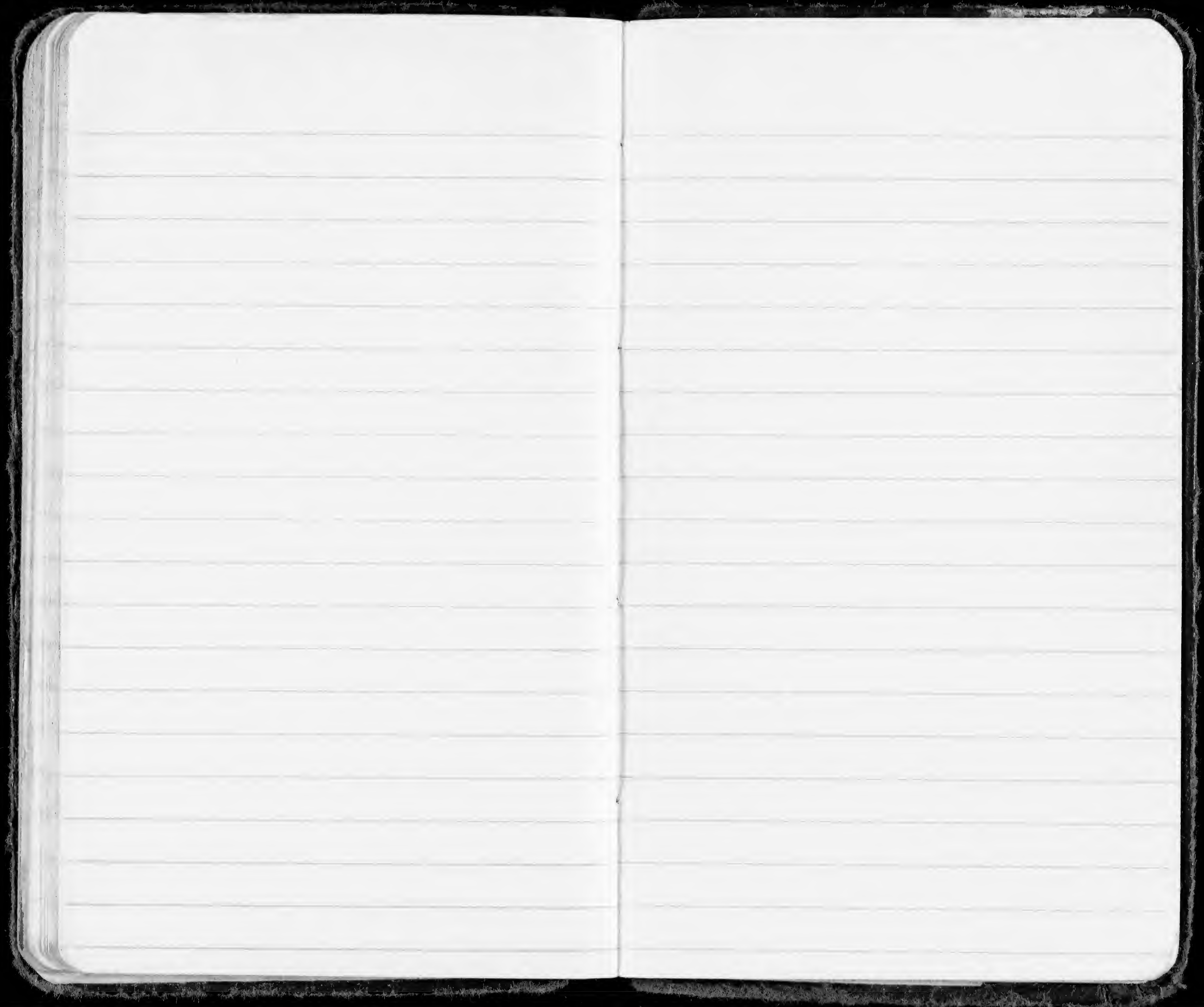




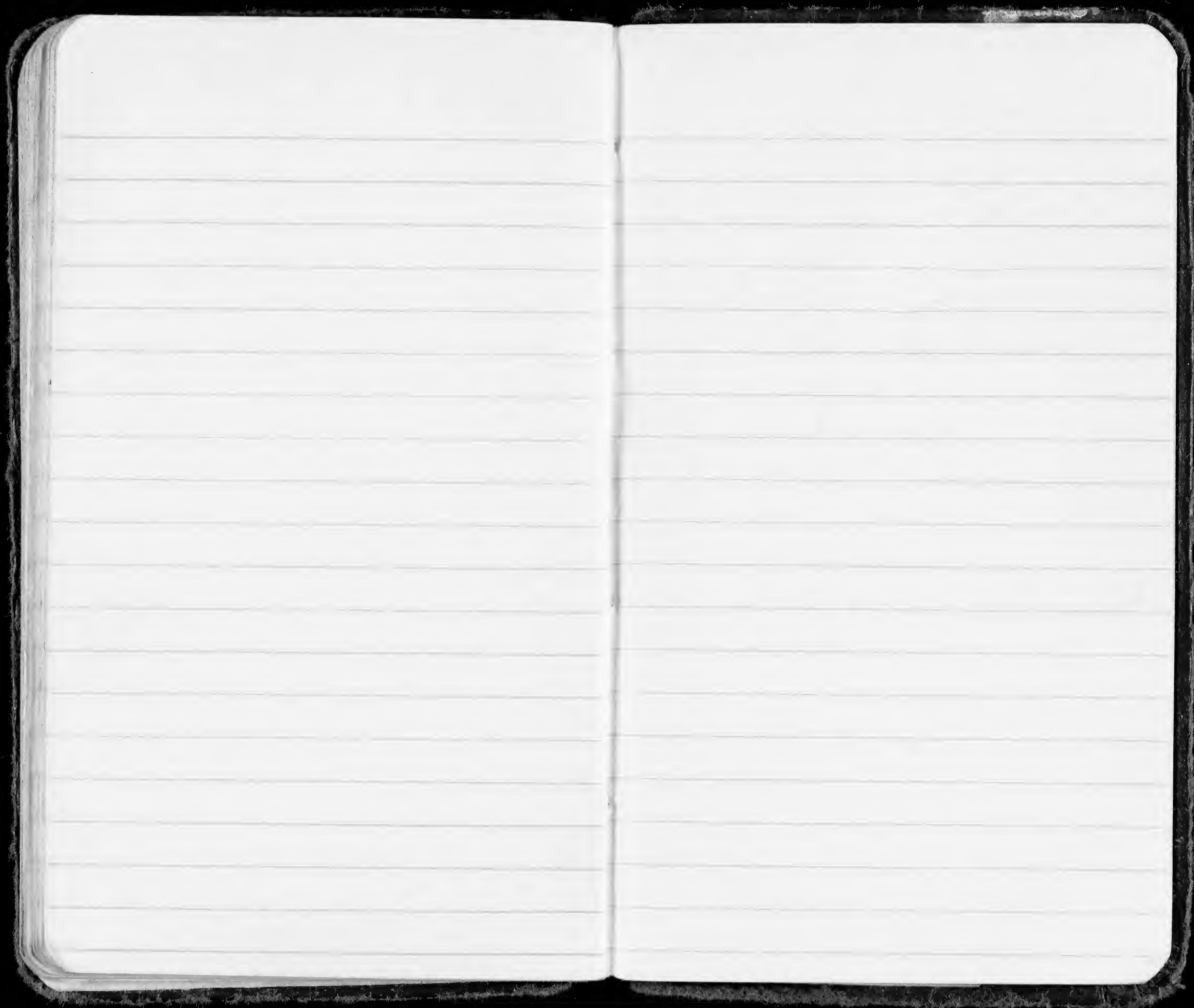


Personal Box Memo  
+ what I'll wear

1 shirt }  
1 pants }  
2 socks  
1 undershirt  
2 socks







$$\begin{array}{r}
 154 \\
 65 \overline{) 1000} \\
 \underline{350} \\
 325 \\
 \underline{250}
 \end{array}$$



Box # 2

- 1 hand rope
- 2 Twine
- 1 plastic rope
- 2 brushes (tent cleaners)
- 2 sponges
- 1 soap & dish
- 1 can w/ gasoline
- 1 hand cleaner
- 1 coffee pot
- 1 plastic container salt tablets
- 1 Slem



1 box batteries from trunk.

#4 bands all 8

check eyes in front

ice chest, ice, test tube rack,  
~~mail~~ mail.

test tube rack

ATT Band Box in Fred's room  
(Alan Closter (H locker)

several sigs of dresses

~~2 boxes & rationis~~

~~+ loaf of bread.~~

care { batteries for navigation lights  
in trunk afterhold.  
put to Mr. Byers

1 loaf bread

## Box 2 Camp Supplies A

- 1 hank rope ✓
- 2 rolls Twine ✓
- 1 Hand Cleaner ✓
- 2 Tent Cleaner (Brush) → 1 ✓
- 4 soap box #1
- 1 big lantern for camp use
- 2 Sponges ✓
- 2 Musseth bags.
- odds + ends from box 1

## Box 2

Tent Brush

Gasoline - check each island

Store

Coffee Pot

Hand cleaner



A  
(a  
se  
→  
+  
care }





7530-222-0078  
FEDERAL SUPPLY SERVICE



*Memoanda*

SIC # 5 1964

Phoenix Is., July 10-13

Enderbury Is. July 15-17

McKean Is., July 18-19

Christmas Is., June 18-19

Malden Island, June 24



XX

7

ADP  
CDA

Done 10/19/68  
CDA



747-55201

- 275

nest 6 June 1964  
on Red-footed Boob

747-56280

-

-286 immature

Atkins Island  
10 July 1954

♀ Blue-face Booby ADP  
1737-48094

on 1 egg & 1 young (1 day old)  
not incubated





901  
924  
927  
931  
936

~~655~~ Christmas Island  
~~the~~ Motu Tabu  
18 June 1964

652 - 447 27 - 150  
Fairy Tern

452 - 447 52 - 800  
Hawaiian Noddy <sup>nestling</sup>

544 - 479 01 - Chickadee  
490 00

|                |          |
|----------------|----------|
| <del>924</del> | Im. C.T  |
| <del>943</del> | Im C.S   |
| <del>931</del> | Im C.T   |
| 544 - 107 35   | Phoe Is  |
| <del>946</del> | Im - C.T |
| <del>941</del> | Im C.T   |
| <del>936</del> | Im C.T   |
| <del>927</del> | Im C.T   |

544-10653

514-77964

544-10628

514-75874

514-79810

514-75858

514-75873

514-75852

514-75840

901 Chr. I.  $\overline{Fm}$

~~997~~ " " "

~~979~~ " " "

~~950~~ " " "

953 " " " "

991

544-10927 C.I.  $\overline{sec}$

969 " " " "

---

544-49501  $\rightarrow$  C.I.

517 right leg modern ADP

below ankle bone

on left leg

514 + Immature

502 immature

598 "

551 "



544-49901 → Ek. I

723-44487

753-39852 ADP  
no right leg below knee  
banded left leg

763-34745

Cook Island  
Christmas Island

19 June 1964

652-41301-400

nestling Hawaiian  
Noddy

652-41601-700 " nestling "

753-03501-600

Sooty Tern

753-03601-700

Sooty Tern

753-03901-4000

Sooty Tern

Marshall

Sooty

753 - 031010

200

0.5501

700

753 0.5201



Malolo Island

24 June 1964

757-62101 - same

101 north BFB

102 " "

103 " "

104 " "

105 ♂ → 1 egg

106 ♂ }

107 nestly }

108 ♀ 2 eggs

109 chick }

110 ♂ }

111 ♂ on 1 egg +  
hatch chick

112 2 eggs

113 ~~chick~~ nestly

114 ♂ → 2 eggs

115 F 2 eggs  
 116 N  
 117 M 2 eggs  
 118 N  
 119 W  
 120 N  
 121 F 2 eggs  
 122 M chick  
 123 F chick  
 124 F 2 eggs  
 125 M 2 eggs  
 126 N  
 127 M chick  
 128 Brown Booby chick  
 129 M 1 egg  
 130 Brown Booby chick  
 131 F 2 eggs  
 132 M 2 eggs  
 133 Brown Booby chick

34 Brown Booby chick  
 35 Brown Booby chick  
 36 Brown Booby chicks  
 37 M 1 egg  
 38 F } nestling  
 39 N }  
 40 Brown Booby chick  
 41 Brown Booby chick  
 42 Brown Booby chick  
 43 " " "  
 44 " " "  
 45 N  
 46 M 2 eggs  
 47 M chick  
 48 F with N # 53  
 49 Brown Booby chick  
 50 " " "  
 51 " " "  
 52 " " "



757-62-153 N

54 F chick

55 F chick

56 F ~~2~~ chick

57 M chick

58 F 2 eggs

59 N } chick

60 M }

61 M chick

62 F chick

63 M 2 eggs

64 F 1 egg

65 M 1 egg

66-71 N

72-74 N

75 Brown Body chick

76-94

95 F

Red-tailed Tropic Bird

605-20061 N

62 A 1 egg

96 F 2 eggs

97 F 1 egg

98 M chick

99 F 1 egg

200 F 2 eggs

10 July 1964

Phoenix Island  
Blue faced Boobies  
737-42094 ✓

♂ 773 - 22067 } ADP  
♀ 737-51202 } Lyons

737-26062 ♀ } ADP  
unmated ♂ } 2 eggs

11 July 1964  
Phoenix Island

544-45101 - 45200

Christmas Island Shearwaters

743-35508 - Audubon's

743-35522 - Audubon's

514-76016 - C.I.

544-12939 - C.I.

534-41503 - C.I.

544-12935 - C.I.



534 - 41506 C.I.

544 - 12742 C.I.

534 - 41507 - C.I.

743 - 37076 Audubon's

534 - 41508 C.I.

534 - 41519 C.I.

514 - 76001 C.I.

514 - 76023 C.I.

514 - 76039 C.I.

753 - 50008 Audubon's

544 - 12953 C.I.

743 - 35545 Audubon's

753 - 50003 Audubon's

544 - 12955 C.I.

753 - 02204 Audubon's

743 - 37020 Audubon's

743 - 35541 Audubon's

514 - 76031 C.I.

753 - 37051 Audubon's

514 - 76041 C.I.

743-37019 Audubon

514-76051 C.I

514-76035 C.I

544-12966 C.I

544-12967 C.I

514-76050 C.I

743-35569 Audubon's

544-12968 C.I

743-37006 Audubon

544-12971 C.I, f

514-76044 C.I

514-76166 C.I

514-76048 C.I

534-41529 C.I

743-35572 Audubon's

544-12973 C.I

753-37045 Audubon's

534-41531 C.I

743-35890 Audubon's

544-12974 C.I



# Sooty Tern

753-68501 → 69000

500-12988

514-76160

14 July 1963 ← 1964 should be  
Enderbury Island

625-85401-500

Red billed Tropicbird

401 nothing under foil

402 adult on 1 egg behind Δ

403 adult on 1 egg ( $\frac{1}{8}$  mile)

404 chick (2 lighters) out

405 adult on 1 ~~low~~ young chick  
out from trunk



406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415



- 406 adult on 1 egg back  
 from long log  
 407 adult on 1 egg back  
 from thick log  
 408 adult on 1 egg to right  
 of thick log (100 feet)  
 409 adult on 1 egg 50  
 feet to right of wooden cabin  
 410 adult on 1 egg on beach  
 below last entry  
 411 adult on 1 egg 75  
 feet behind & to left of beam pile  
 412 adult on 1 egg 30 feet  
 behind & to right of beam pile  
 413 adult on 1 egg out from beam pile  
 414 adult on 1 egg 200 ft to  
 right of beam pile  
 415 adult on 1 egg near 20 foot  
 log on beach



✓ ADP

Recovery

595-63368 - adult on  
1 egg <sup>30</sup> feet from 416

595-63320 adult on  
downy chick 50 feet from  
434

416 adult on 1 egg  
150 feet down beach and up from 415

416 adult on nothing  
150 straight back from 415

417 - 422 → Lays

417 adult on 1 egg

423 chick 50 feet to right of  
416

419 chick on nest of 416

418 adult on 1 egg

420 adult on 1 egg 100 feet  
back from 415

421 adult on 1 egg

422 adult on 1 egg

423 adult on 1 egg

424 adult on 1 egg 100 feet  
on beach to left of 416

425 chick 50 feet <sup>to left</sup> from 426

426 chick 20 feet from 428

427 chick 50 feet from 418

428 - adult on 1 egg 100 feet  
behind 432

429 - adult on downy chick  
50 feet from 427 down beach

430 - chick 200 feet back of 429

431 - adult on 1 egg  
200 feet back of 432

432 - adult on one egg 100 feet  
down beach from 429

433 - adult on downy chick  
which was <sup>grey</sup> sooty above  
12 feet from 429

LH



434 adult on 1 egg 12 feet  
from 432

435 adult on 1 egg 75 feet  
behind 434

436 - adult on egg

437 - adult on chick 20 feet  
from 440

438 - chick of 437 down  
grassy

439 - chick of adult 595-63330

440 - adult on egg

441 - chick 100 feet down beach  
from 439

442 - chick 50 feet from 441

443 - chick 20 feet from 442

LH

Enderbury Island

15 July 1964

625-85601 - 500

601 A legs

602

603

604

605

606

607

608

609

610

611

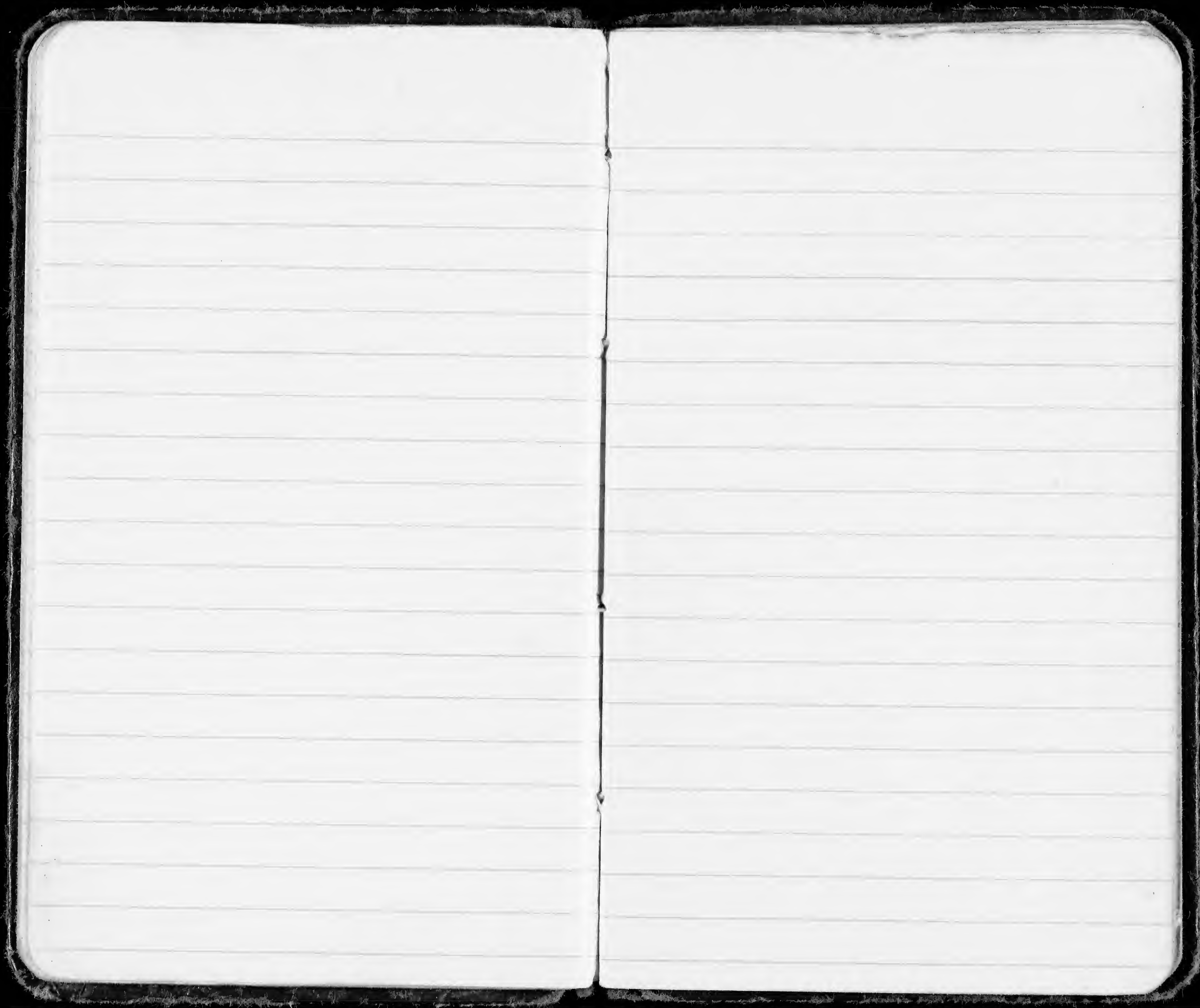
612

613

614

615





Great Frigate Nests

Chicks:

① H H H H

②

Eggs:

① H H H H H H

②

Enderbury Island  
15 July 1964

Blue-faced Booby Nests

Chicks: -

① H H H H H

② H

Eggs

① H

② H H H H

Brown Booby Nest

Chicks: 1

Eggs:



a purple & red foot egg in sacrot

Banded (ang) Red-foot

247 - 56328 336

329

330

331

332

333

334

335

9 Frigate nests too high to examine

Cinderkey Island 15 July

Red-footed Booby

Small young: ### & 1

Eggs: ### 1

Great Frigate

### ### ### 1/2 ### ###

Chicks: ### ### ### ### ### ###

### ### ### ### ### ###

### ### ### ### ### ###

Egg: ### ### ### ### ### ###

### ### ### ### ### ~~###~~ ###

### ? ### ### ### ###

### ### ### ~~###~~ ### ###

### ### ### ### ### ###

Enderbury Island

16 July 1964 (morning)

Blue faced Booby returns  
✓ on ADP

737-21476 ♀ 1 downy chick ✓

52998 ♀ 2 eggs ✓

{ 50156 ♀ ✓  
50101 ♂ 2 eggs ✓

{ 52541 ♂ ✓  
52803 ♀ 1 chick ✓

{ 52549 ♀ ✓

{ 50155 ♂ ✓

{ 26898 ♂ no chick band ✓  
20066 ♀ ✓

{ 568-71302 -chick ✓  
23084 ♂ ✓

{ 52858 ♀ 1 chick banded

{ 757-63901

52566 ♂ 1 egg ✓



✓ ADP

16 July 1964

52805 ♂ 2 eggs ✓  
 { 26839 ♀ ✓  
 { 52546 ♂ 2 eggs ✓  
 52806 ~~♂~~ F ✓  
 22468 F ✓  
 20189 ? ✓  
 { 52555 ♂ ✓  
 { 22145 ♀ ✓  
 52563 ♀ ✓  
 23199 ♀ ✓  
 52977 ? ✓  
 757-62883 subadult ✓  
 52578 ? 2 eggs ✓  
 52573 ♀ ✓  
 { 757-63902 ♀ { 1 chick ✓  
 { 22416 ♂ { 1 egg ✓  
 757-63903 ♀ new  
 { 52590 ♂ 1 chick ✓  
 { 23190 ♀ ✓

✓ ADP

{ 26789 ♀ 1 young chick ✓

{ 757-63904 ♂ ✓

52588 ♂ ✓

21398 ♀ ✓

22413 ♂ 1 young chick ✓

{ 22418 ♀ 1 chick ✓

{ 22417 ♂ ✓

26838 ♀ ✓

757-63905 ♀

21384 ♂ 2 eggs ✓

{ 23162 ♀

{ 52523 ♂ ✓

{ 22739 ♀ ✓

{ 26866 ♂ ✓

22792 ♂ ✓

22655 ♂ ✓

{ 20322 ♀ 1 chick ✓

{ ~~23151~~ 568-71307 ✓

23151 ♀ 1 egg ✓



✓ ADP 16 July 1964

{ 23113 ♂ 1 chick ✓  
26857 ♀ ✓  
52864 ♀ ✓ 1 chick banded  
568-71308 chick new

23256 ♂? ✓  
757-63906 ♀ new  
50218 ♀ ✓

757-63907 ♀ new  
{ 27419 ♀ ✓  
757-63908 ♂ new  
{ 52814 ♀ ✓

757-63909 ♂ new  
{ 22814 subadult ✓  
757-63910 ♀ new  
757-63911 ♀ |

757-63912 subadult  
22915 ♂ 1 chick ✓

I missed the ♀ ~~scribbled out~~



what happened to  
915

✓ADP

{ 22920 ♀ 1 chick 1 egg ✓  
22916 ♂ ✓

20072 ♂ 2 eggs ✓

{ 22919 ♀ 2 eggs ✓

757-63913 ♂ ✓

{ 23204 ♀ ✓

20075 ♂ 1 chick ✓

20074 ♀ 1 egg ✓

22924 ♂ 2 eggs ✓

22914 ♀

757-63914 ♀ New

23212 ♀ 2 eggs ✓

23823 ♀ 2 eggs ✓

20081 ♂ 2 eggs ✓

20085 ♂ ✓

23016 ♂ ✓

{ 22929 ♀ ✓

757-63915 ♂ 2 eggs ✓

757-63917 ♂ New

757-63918 ♂ 2 eggs ✓



# Nest Count

Masked Bobby  
Chick

1 chick  
1 egg 1

① 11

②

Eggs

① 11

② ~~11~~ 111

Brown Boob

Chick

①

②

Eggs

① 1

②

Great Frig

Chick

Eggs

Stately on line opposite Luffkin

Anderbury Island

16 July 1964

625 - 85347 end

347 - A 1 egg

348 A 1 egg

349 A 1 egg

350 A 1 chick

351 A 1 egg

352 A 1 chick male

353 chick

354 A 1 egg

355 A 1 egg

356 A 1 egg

357 A 1 egg

358 A 1 egg

359 chick

360 A 1 egg

361 A 1 chick

✓ADP

Return

✓595-63269

in marked nest with 1 egg

✓595-63266

in marked nest with 1 egg

362

A 2 eggs

363

A 1 egg

364

A 1 egg on nest

365

A nothing else

366

A 1 egg

367

A on chick 625-  
in marked nest 8542)



✓ADP Cnderbury Island  
17 July 1964  
morning

Blue-faced Booby  
Return + band

757-63850 Sta 1

737-50158 ♀ ? ✓

-50103 ♂ } ✓

50 ♂ } 1 chick

23845 ♀ } ✓ 1 chick

52887 ♂ } ✓

21292 ♀ 2 eggs ✓

21504 ♂ ? ✓

51 immature (subadult)

52 ♀

53 ♂

54 ♀

55 subadult

56 ♀

ADP ✓

57

♀

757-643559 Phoenix ✓

58

♀?

59

♀

60

subadult

61

♀

20250 ♂ 2 eggs ✓

62

immature (subadult)

63

♀

21394 subadult ✓

64

?

65

?

21344 ♂ ✓

66

immature (subadult)

67

♀

757-64366 ♀ Phoenix ✓

68

♀

757-61962 ♀ ✓

69

♀



✓ ADP

22652 subadult ✓

70 ♀

71 ?

72 ?

73 ♂?

74 ♀

75 ?

76 subadult ?

77 subadult ✓

50332 ♂

78 subadult

79 ♀? subadult

80 ?

52951 ♂ } ✓ chick

20137 ♀ } ! ✓

23289 ♂ } ✓ chick

26967 ♀ } ✓ chick

20141 ♀ ✓ 1 chick

38097 ♂ } ✓ 1 egg

38096 ♀ } ✓

✓ADP

27428

♀? ✓

{ 22871

♂? ✓

{ 52802

♀ 2 eggs ✓

23143

♀ 2 eggs ✓

52987

♂ ✓

50486

♂ ✓

28804

♂ } ✓

52998

♀ } 2 eggs ✓

23139

♂ } ✓

52563

♀ } ✓

23140

♀ } ✓

52805

♂ } 2 eggs ✓

52873

♂ 1 chick ✓

21382

2 subadult ✓

50156

♀ } ✓

26895

♂ } ✓

50184

♂ } ✓

27437

♀ } ✓

50449

♂ } ✓ chick

50443

♀ } 1 ✓

deck. —



✓ ADP

21403 ♀ ✓

20215 ♂ →

21414 ♀

} ✓ chick

McKean Island  
18 July 1964

#5

625-85368

68

A

1 egg

69

A

1 egg

70

chick

71

chick

72

chick

73

A

billie

74

A

{ 75

A

1 chick

{ 76

chick

77

A

1 chick

78

A

2 nolly

79

A

80

chick

{ 81

A

chick

{ 82

chick

83 → 92 Reddy

McKean Island  
18 July 1964

#7A

747-57761

61 → 79 Red-footed Booby Noddy

93

A

nolly

94

A

1 egg

95

cluck

96

A

nolly

97

A

chick

98

chick

99

A

1 egg

100

A

1 egg



Red-Stack Trump Bird  
Chicks

Eggs

~~Greenbacked Frigate~~

~~Chicks: 5, III, 5, III, III~~

~~4, 2, 2~~

~~Eggs: 3, 8, 8, 5~~

~~1 empty nest~~

~~Lesser Frigate~~

~~Eggs 5, 2, 4, 4, 4~~

Chick 8, 6

Nest Count

Red-footed Booby  
Chick, II

Eggs: III, I

Nest 1

~~Blue-faced Booby  
Chick~~

~~2, 1~~

~~Eggs~~

~~0~~

~~III~~

~~Brown Booby~~

~~Chick~~

Eggs



Lesser Frigate colony  
Nodd young 5000  
up to 15th Nov  
Egg 2000  
5-10 up 5000  
exclud  
chick

~~478 - lost~~  
~~479 - A 1 chick~~  
~~480 - chick~~

# 5 from Day  
625-85481

~~481 A nodd~~  
~~482 A 1 egg~~  
~~483 A 1 egg~~  
~~484 A 1 egg~~  
~~485 A 1 chick~~  
~~86-90 Poby~~  
~~491 A 1 chick~~  
~~492 chick~~  
~~93-95 Poby~~  
~~496 A nodd~~  
~~497 chick~~  
~~498 A nodd~~  
~~499 A chick~~  
~~500 chick~~



# 5

625-85619

619 A 1 egg

620 chick

621 A 1 egg

622 chick

{ 623 A 1 chick

624 chick

625 A 1 egg

{ 626 A 1 chick

627 chick

628 chick

✓ ADP

McKean Island

18 July 1964

Blue faced Boobies

757-64180

180 ♀ 1 chick 1 egg ✓

737-51120 ♀ 2 eggs ✓

{ 23751 ♂ ✓

{ 181 ♀ 1 egg ✓

23525 ♀

51115 ♂ 2 eggs ✓

182 ♂

49930 ♂ 1 chick 1 egg ✓

183 ♀

49933 ♂ 2 eggs ✓

51178 2 chicks ✓

184 ♂

29577 ♀ } ✓ 1 chick

29579 ♂ } ✓



# ✓ ADP

757-63884 ♂ } 1 egg ✓

737-29584 ♀ } ✓

21522 ♂ 2 eggs ✓

29519 ♂ 1/2 egg ✓

{ 29586 ♂ ✓

{ 29587 ♀ ✓ ch

{ 185 ♀ 2 eggs

{ 186 ♂ 1 egg

51140 ♂ } 2 eggs ✓

51134 ♀ } ✓

49943 ♀ 2 eggs ✓

187 ♂ 1 egg

{ 29595 ♂ 2 eggs ✓

{ 188 ♀ ✓

29516 ♂ 2 eggs ✓

51147 ♀ } ✓

189 ♂ } 1 ch ✓

190 ♀

23694 ♀ 2 eggs ✓

51047 ♂ 2 eggs ✓



✓ ADP

51053 ♂ 2 eggs ✓  
191 ?

23683 ♂ } 1 chick ✓  
192 ♀ } 1 egg ✓

51146 ♂ 2 eggs ✓

23844 ♂ 2 eggs ✓

51150 ♀ 1 chick ✓  
1 egg

193 ♀ 2 eggs

51159 ♂ 1 chick ✓

194 ♀ 1 chick

49930 ♀ } 1 chick ✓

195 ♂ } 1 chick ✓

23685 ♂ 1 chick ✓

51058 ♂ 1 chick ✓

51056 ♂ 2 eggs ✓

21600 ♂ 1 chick ✓  
1 egg

21536 ♂ 2 eggs ✓

49953 ♂ ✓

5757-63598 ♀ ✓

{ 196 ♂ 1 chick ✓



✓ADP

51064

♂

2 eggs ✓

51172

+

51177

♂

1 egg ✓

2

195

♀

{

198

♂

2 eggs ✓

199

♀

200

♀

23660

♂

✓

20326

♀

✓

51190

♂

✓

757-63925

✓ ADP  
McKean Island  
19 July 1964 (evening)

Blue-faced Boobies  
#73

757-63744

744

?

→ incubate

23756

♀

1 chick ✓

{ 23755

♂

✓

{ 757-62622

♀

2 eggs ✓

29568

✓

2 eggs

29569

✓

♂ 2 eggs

23760

♂

745

♂

{ 51019

♂

✓

{ 746

♀

2 eggs ✓

747

♂

1 egg

748

♂

749

♂

750 lost



✓ADP

29705 ♂ 3 ✓

23769 ♀ } 2 eggs ✓

{ 21509 ♀ 1 chick ✓

{ 757-63626 ♂ ✓

{ 49921 ♀ ✓

{ 23661 ♂ ✓

751 ♂ ✓

752 ♀ ✓

753 ♀ ✓

754 ♂ ✓

49915 ♂ 2 eggs ✓

755 ♀ 1 egg ✓

{ 23840 ♂ ✓

{ 23779 ♂ ✓

756 ♀ 2 eggs ✓

757 ♀ 2 eggs ✓

21596 ♀ 2 eggs ✓

51106 ♂ 2 ✓

49899 ♀ } 2 chicks ✓

758 ♀ ✓



✓ ADP

759 ♀ 2 eggs

760 ♀ 2 eggs

29558 ♂ 1 chick ✓

5 761 ♂ 1 egg ✓

29560 ♀ 2 eggs ✓

762 ♂

25995 ♂ 2 eggs ✓

20338 ♀ ✓

7 763 ♀

7 764 ♂

21509 ♀ 1 chick ✓

49895 ♂ ✓

765 ♀

766 ♀

767 ♀ 2 eggs

768 ♂

5 29554 ♂ ✓

2 49892 ♀ 2 eggs

23643 ♂ 2 eggs ✓

769 ♀



McKen

✓ ADP

19 July 1964

23578 ♀ ✓

23834 ♂ 2 eggs ✓

21514 ♂ ✓

770 ♀

21315 ♂ ✓

771 ♀

23641 ♂ 1 chick ✓

757-62665 ♀ 1 egg ✓

23639 ♀ ✓

23640 ♂ 1 chick ✓

21525 ♂ ✓

772 ♀

23636 ♂ 2 eggs ✓

23632 ♀ ✓

23765 ♀ 2 eggs ✓

49878 ♂ ✓

23634 ♂ ✓

773 ♂

774 ♀

775 ♂ 1 chick



McKen

✓ ADP

19 July 1964

51085

♂

2079 ✓

51094

♀

✓

23818

♀

✓

51100

♀

✓

776

♀

subadult ✓

48087

♂

✓

{ 51022

♂

✓

{ 21580

♀

✓

23644

♂

2078 ✓

777

♂

23833

♂

✓

51091

♀

✓

778

♂

779

♂

51191

♂

✓

780

♂

51194

♀

✓

781

♂

782

♂

783

♀



McKern ✓ADP 19 July 1964

23650 ♂ 2 eggs ✓  
51073 ♀ 1 chick ✓  
49971 ♂ 1 egg ✓  
51076 ♀ 1 chick ✓  
784  
785 ♂ 2 eggs ✓  
49990 ♂ 1 chick ✓  
786 ♀  
29550 ♂ 1 egg ✓  
29547 ♀ 2 eggs ✓  
49894 ♂ 2 eggs ✓  
787 ♀ 2 eggs ✓  
788 ♀ 2 eggs ✓  
789 ♂  
790 ♀ 2 eggs ✓  
51102 ♀ 1 chick ✓  
23642 ♂ 2 eggs ✓  
23835 ♀ 2 eggs ✓  
792 ♂  
793 ♀



774 ♀ 1 chick  
775 ♂ 1 egg

776 ♀ 1 egg  
777 ♀ 1 chick

778 ♂ 2 eggs  
779 ♂ 1 chick  
1 egg

800 ♀ 2 eggs  
1 chick & chick

23766 ♂ 2 eggs ✓  
51014 ♀ 2 eggs ✓  
49920 ♂ 2 eggs ✓  
23749 ♀ 2 eggs ✓



~~652-46201~~

McKean Island  
19 July 1964

~~18 July 1964~~  
~~19 July 1964~~

✓ADP

HOT

652-46101 → 200  
Returns Fairy Tern

642-01646 ✓

642-01693 ✓

632-20750 ✓

642-01642 ✓

632-20964 ✓

642-01659 ✓

642-01643 ✓

642-01640 ✓

642-01637 ✓

632-20987 ✓

642-01620 ✓

#5 625-85645

Tropinid

645 - nestly

646 - A nestly

647 - nestly

648 A 1 egg nest <sup>in nest</sup>

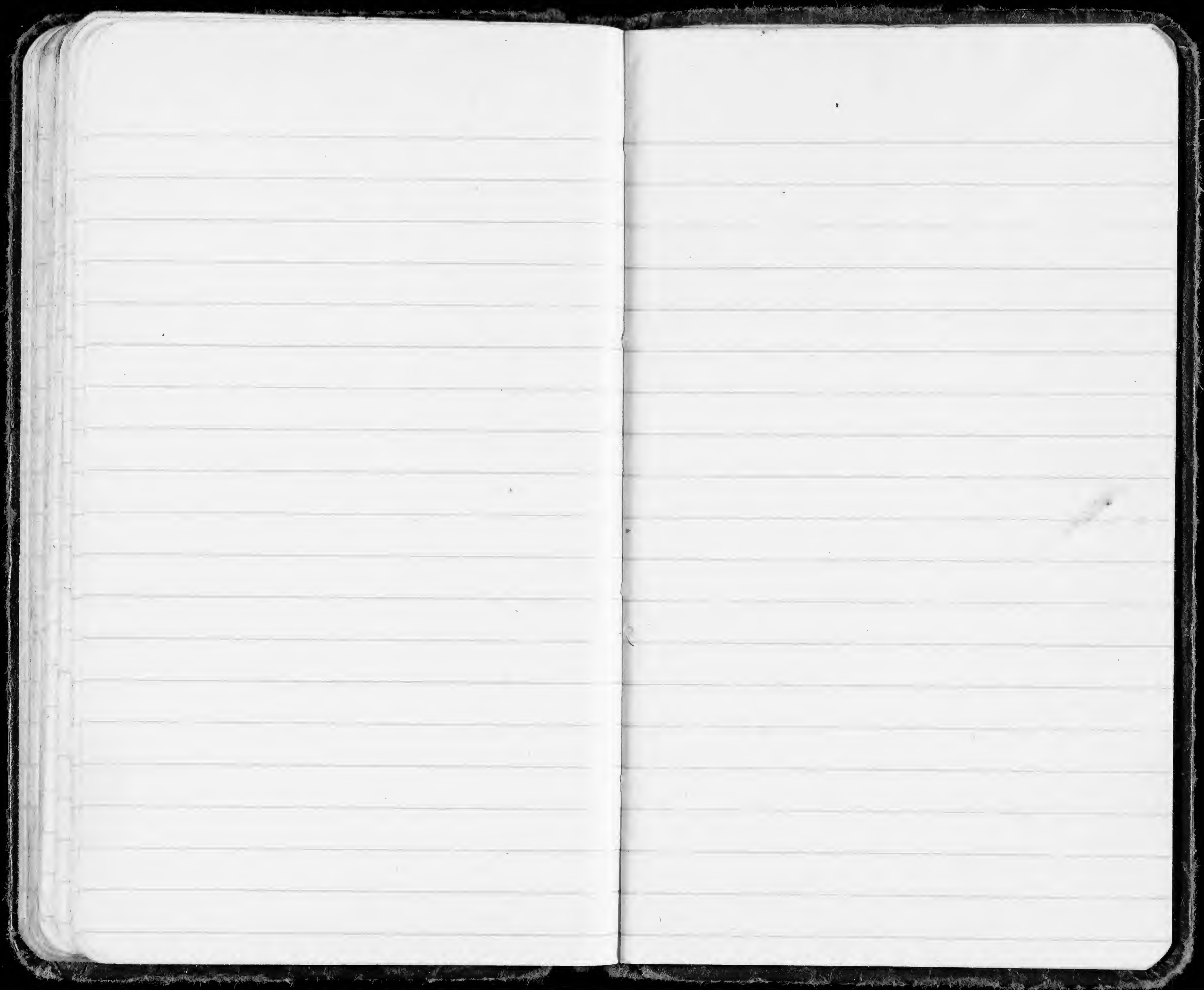
649 A small chick

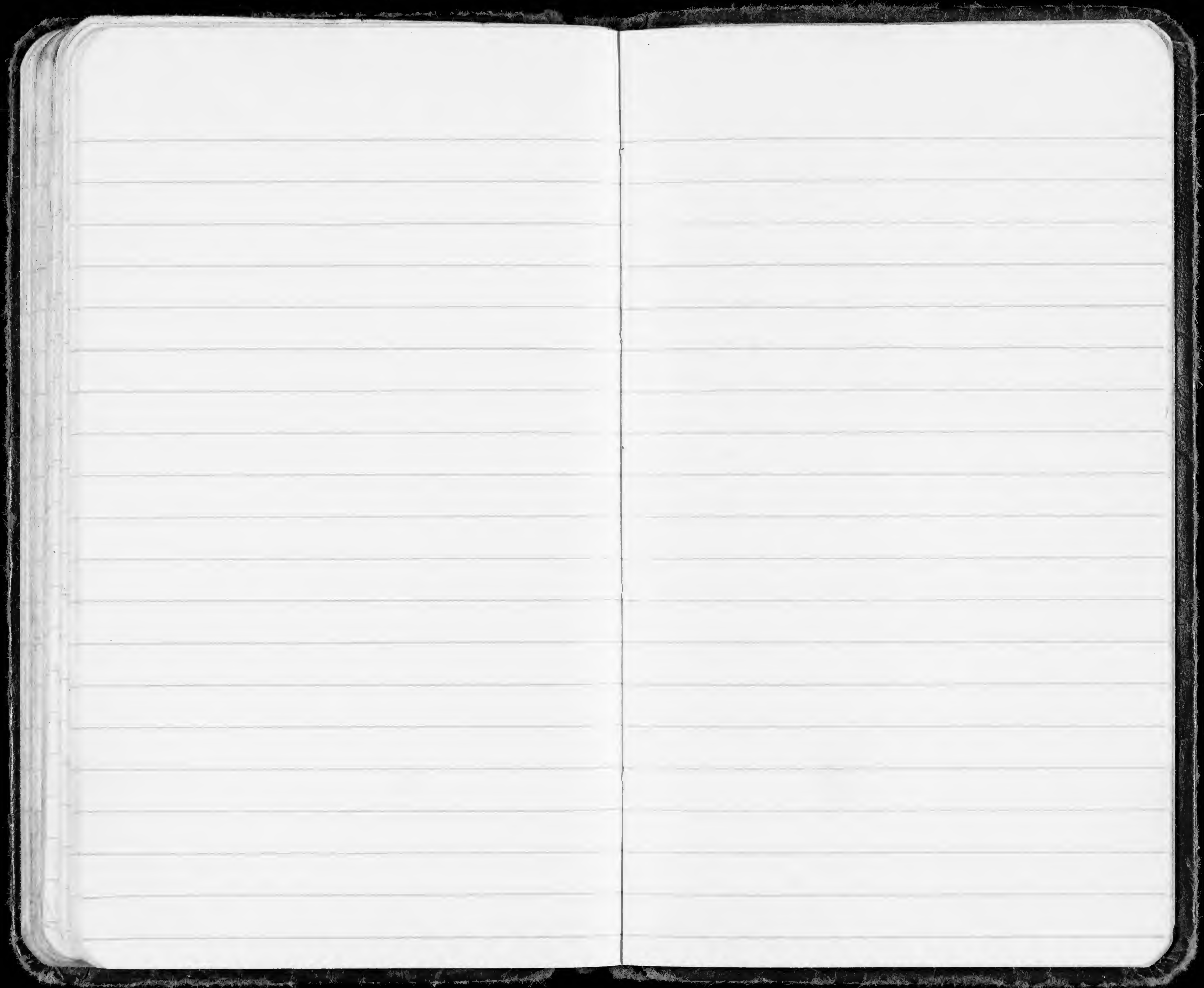
650 A small chick

{ 651 A small chick

{ 652 small chick

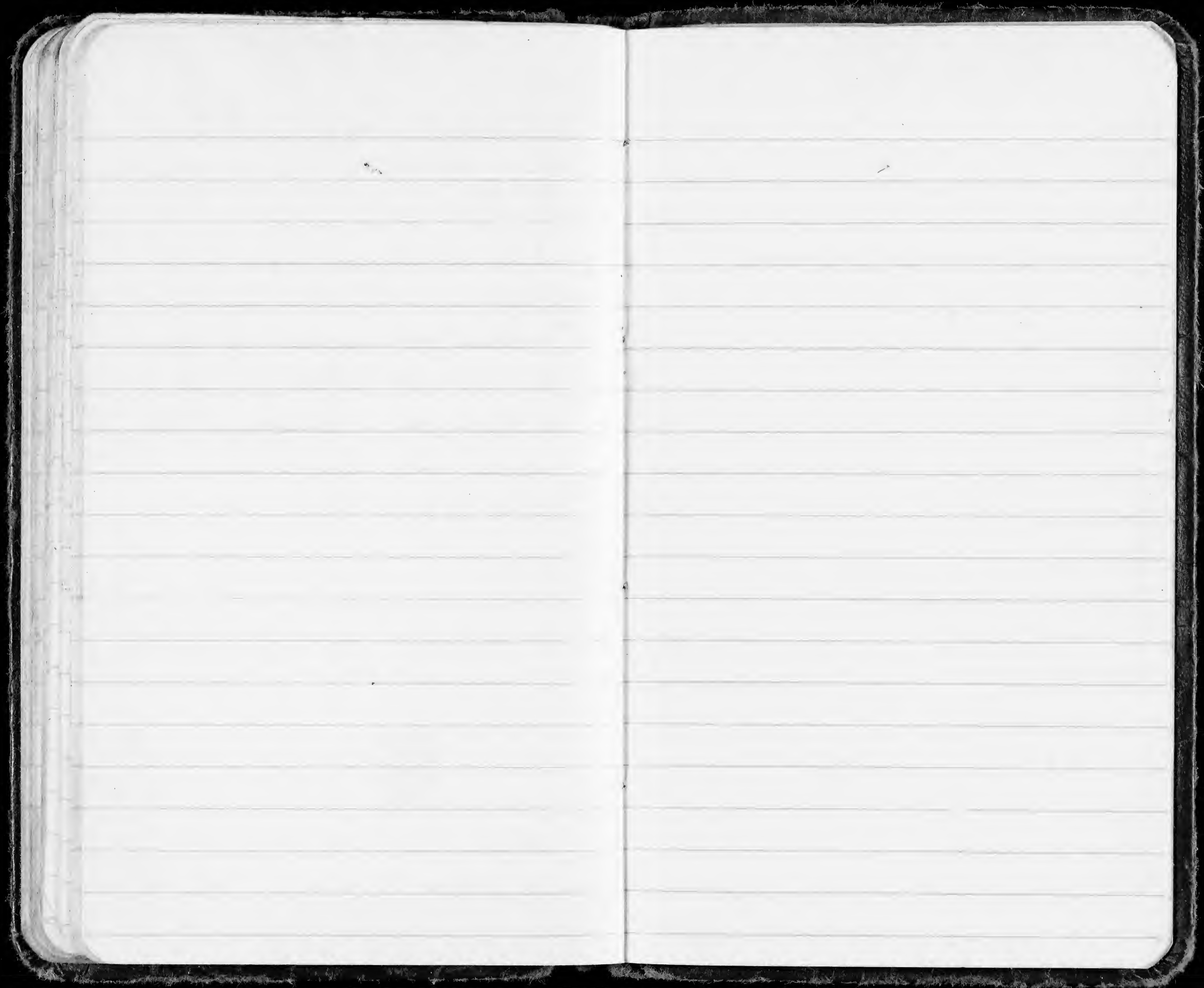




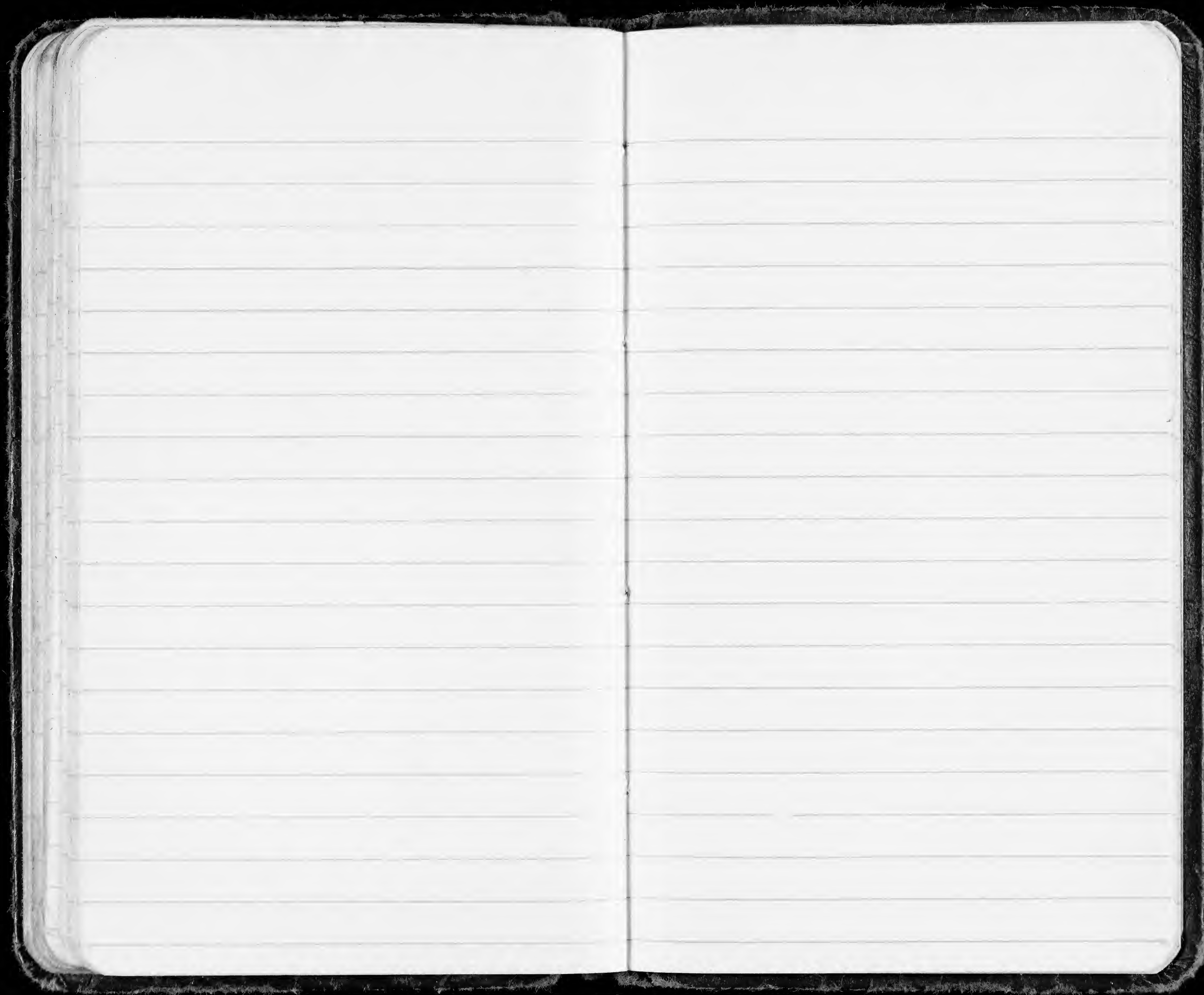


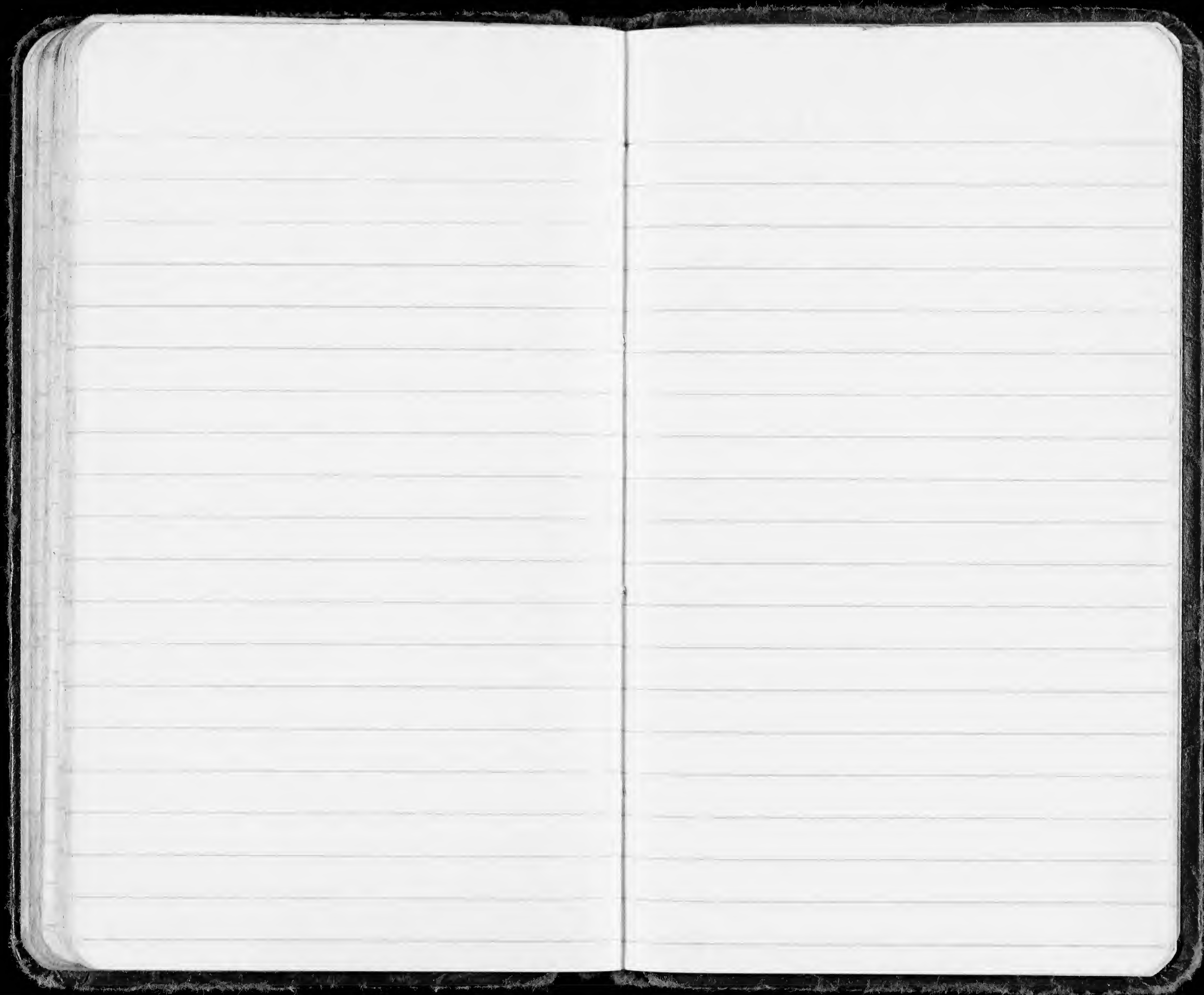


not shot - box 8 let, ✓  
coffee pot ✓  
laundry ✓  
plants ✓  
mess ✓  
drum (green) ✓  
for woodhyde (✓)  
✓ rubber glove (left hand) <sup>big wooden</sup>  
✓ check cloth <sup>drum</sup>  
100 # 8 bar in trunk ✓







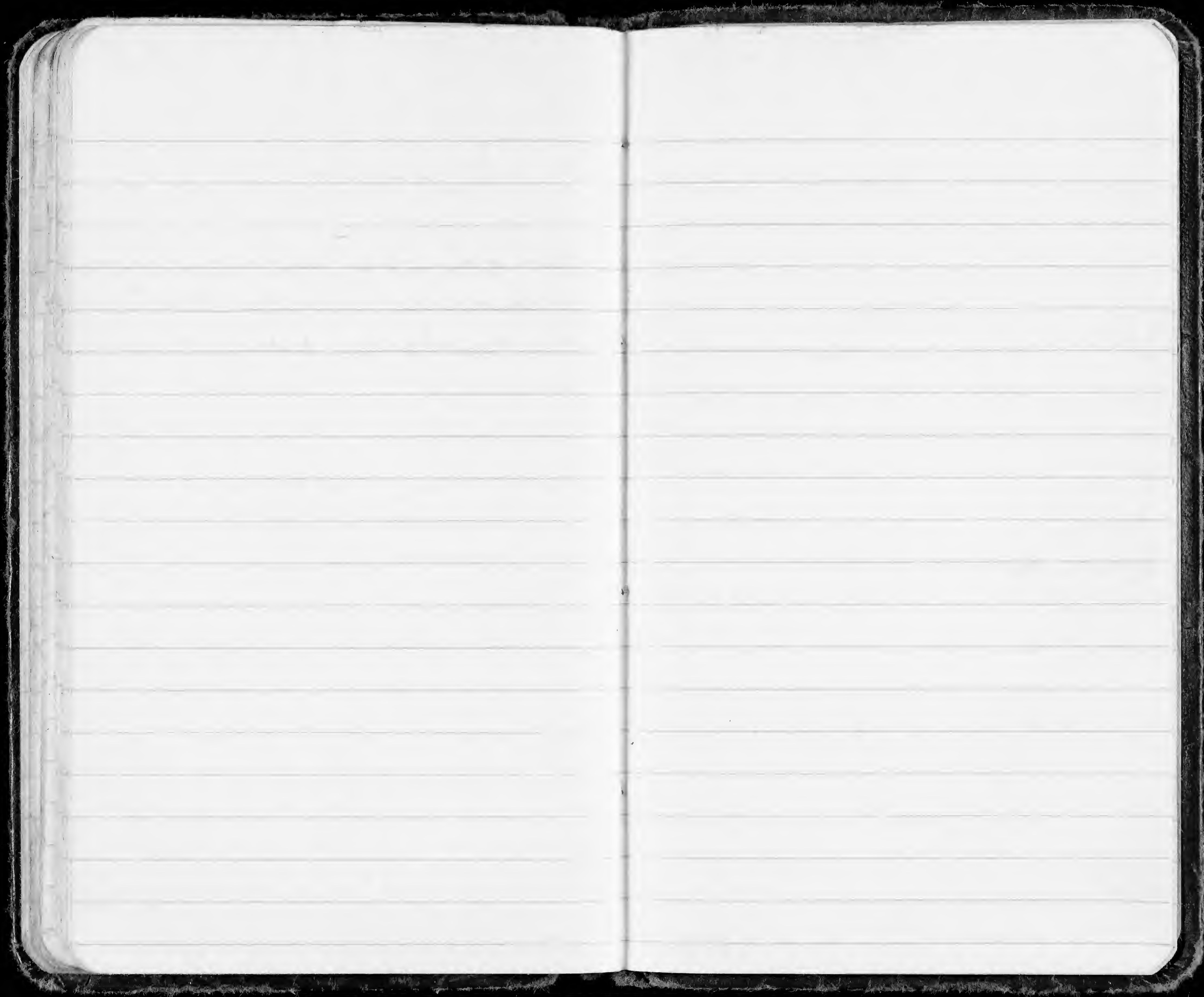




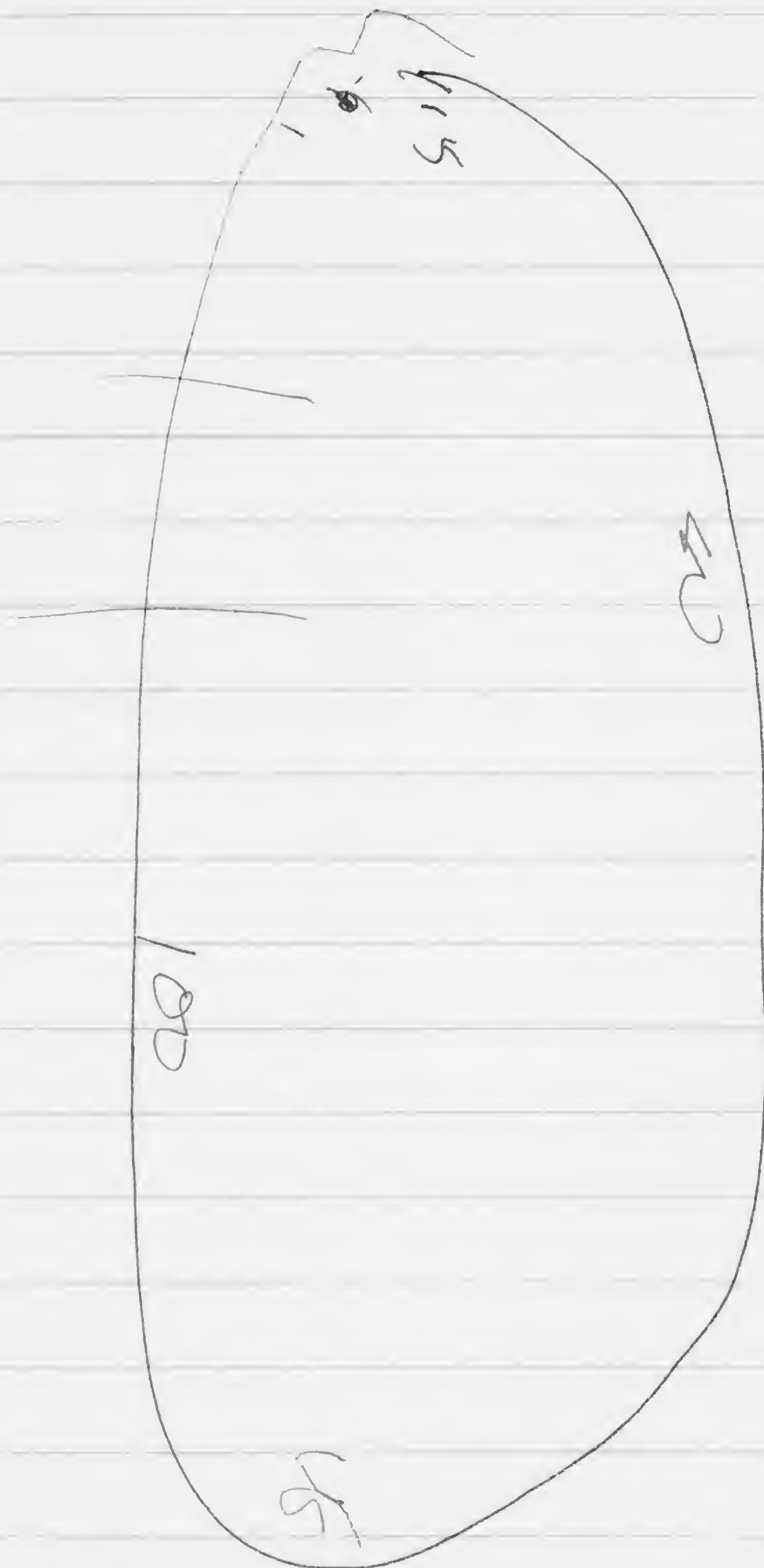
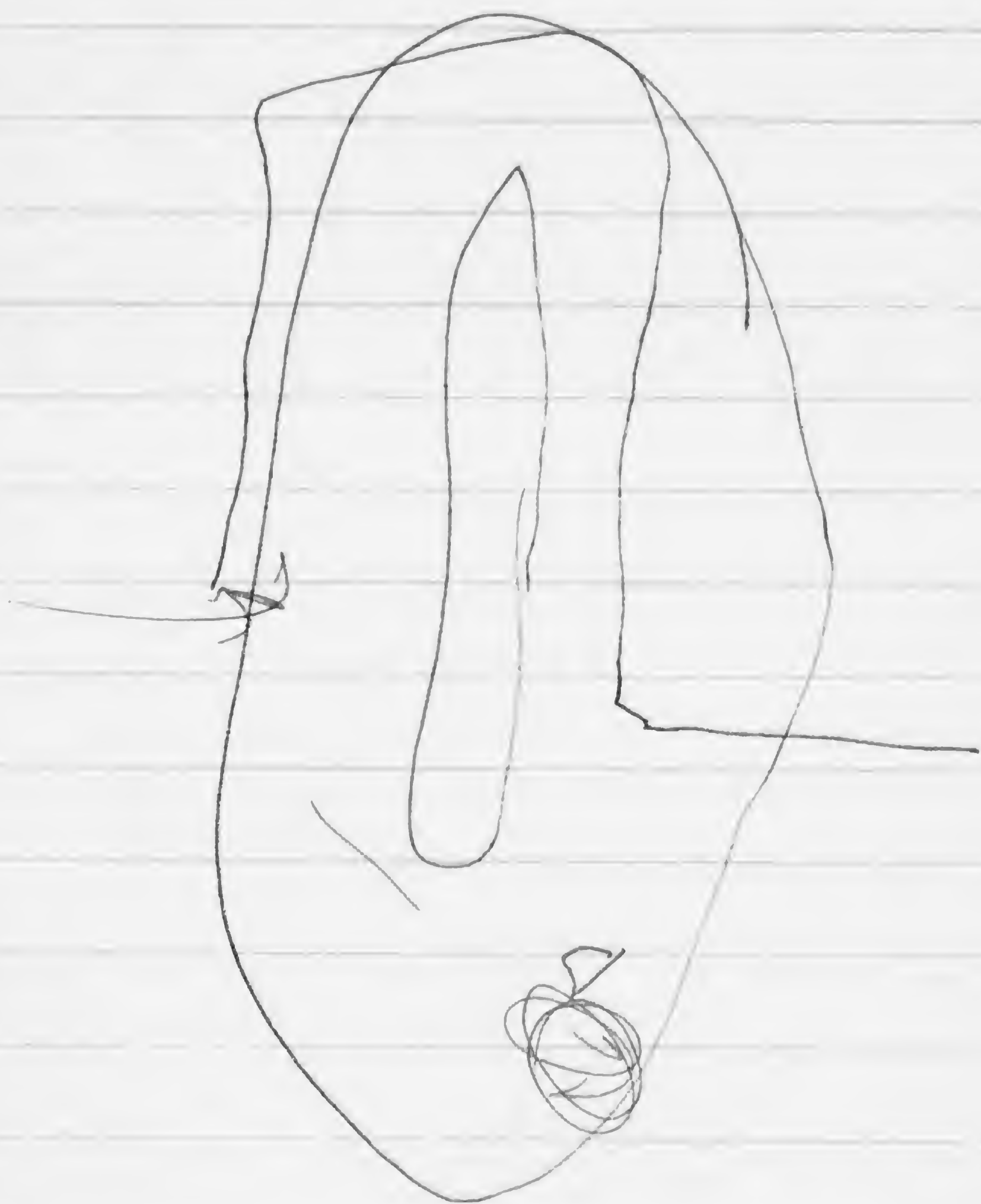
11 July 1964

Memoranda

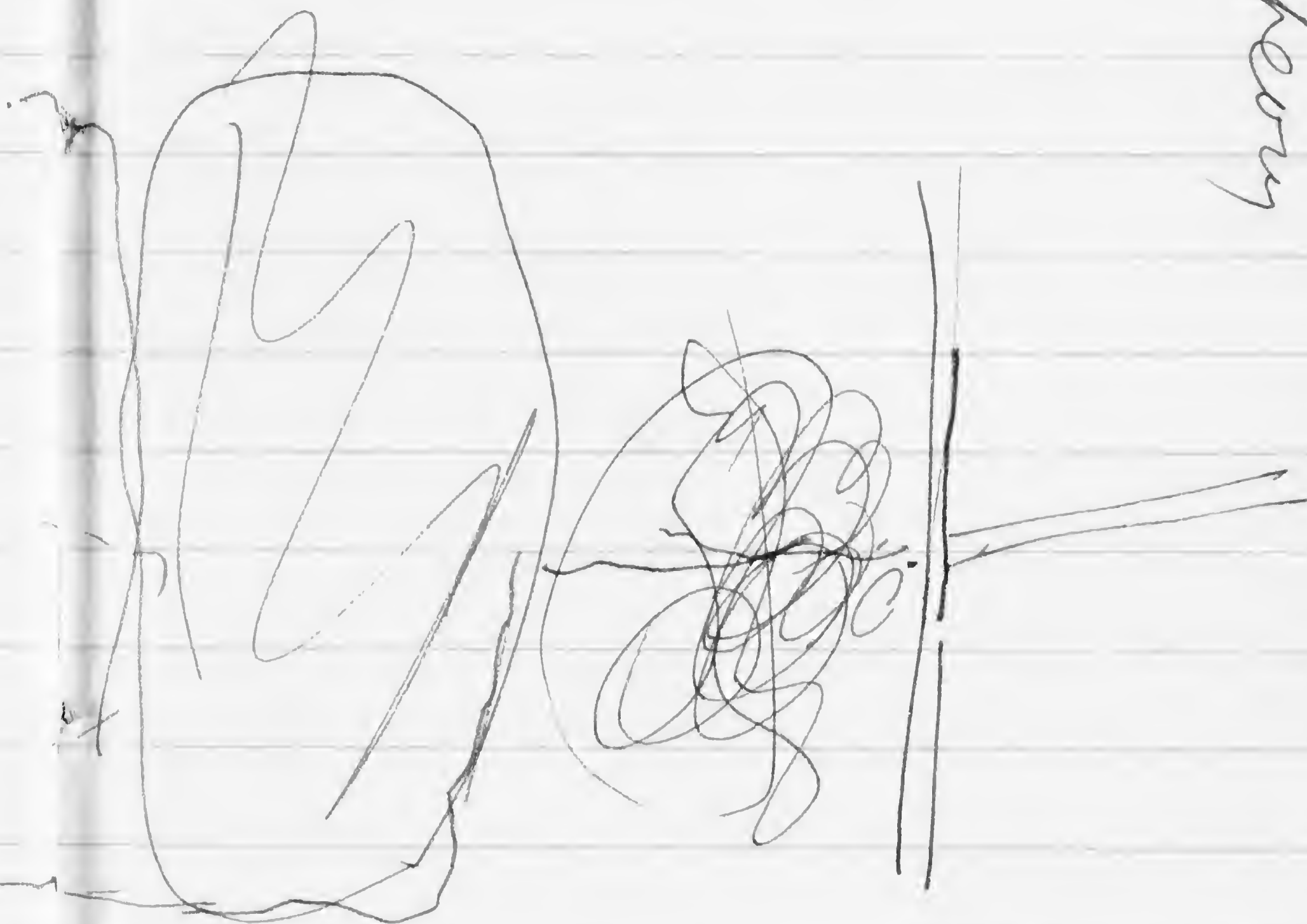
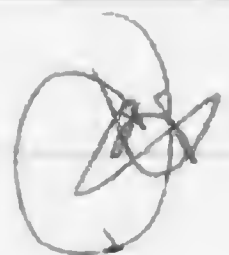
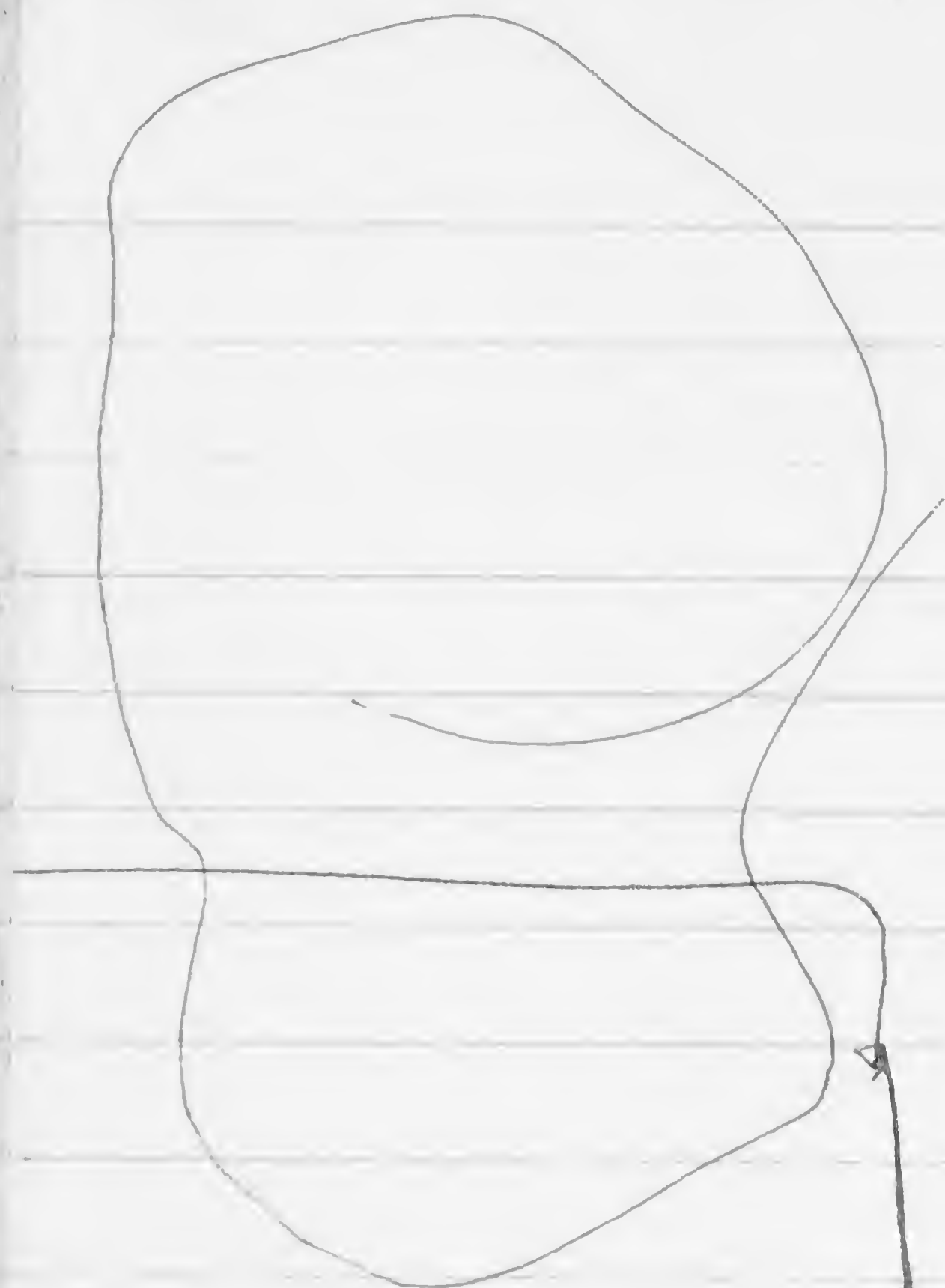
1. light bulb from Tins
  2. bottom or 3<sup>rd</sup> drawer of filing cabinet
- Field number series starts 40375



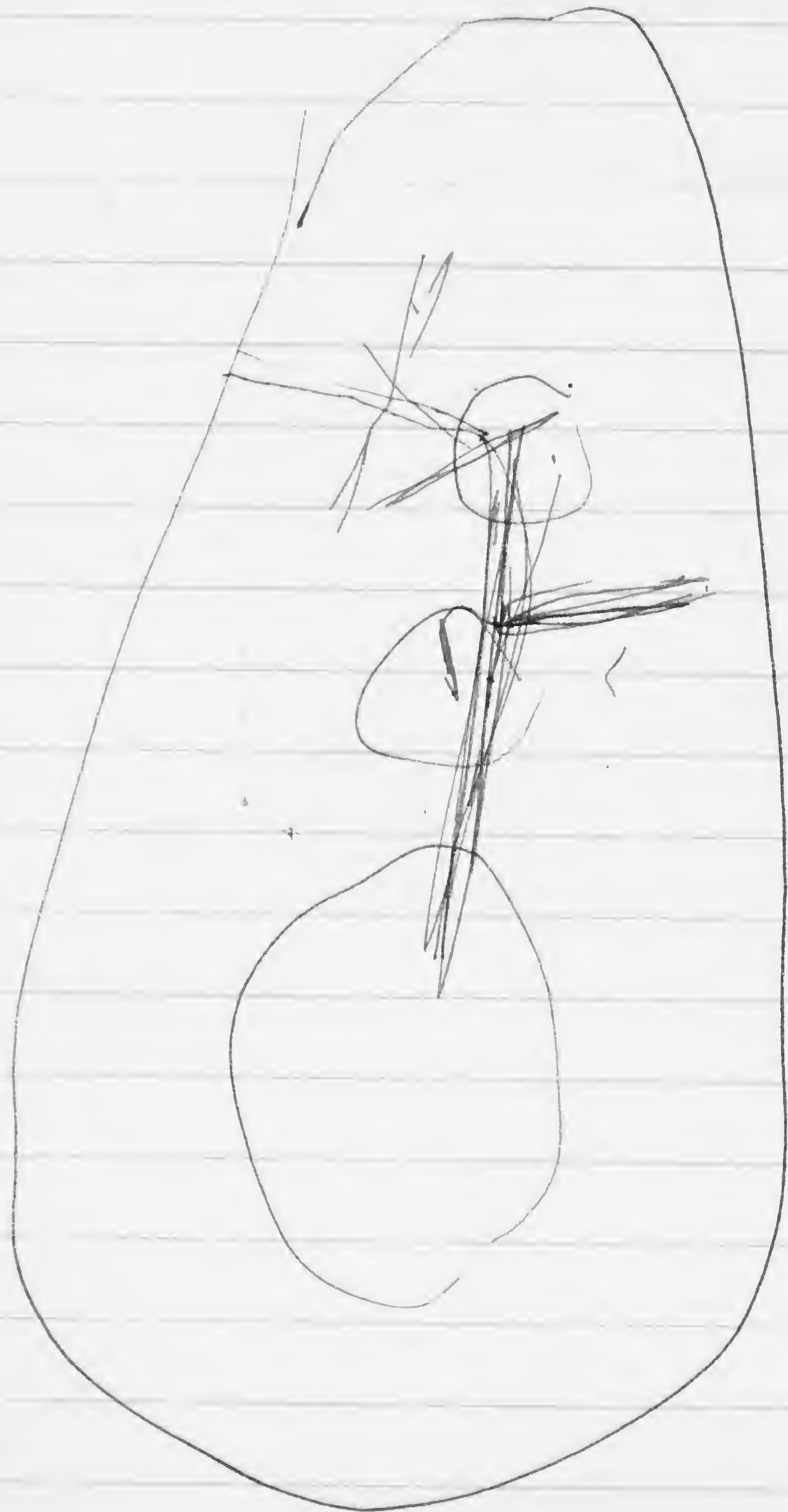




Gill's Theory

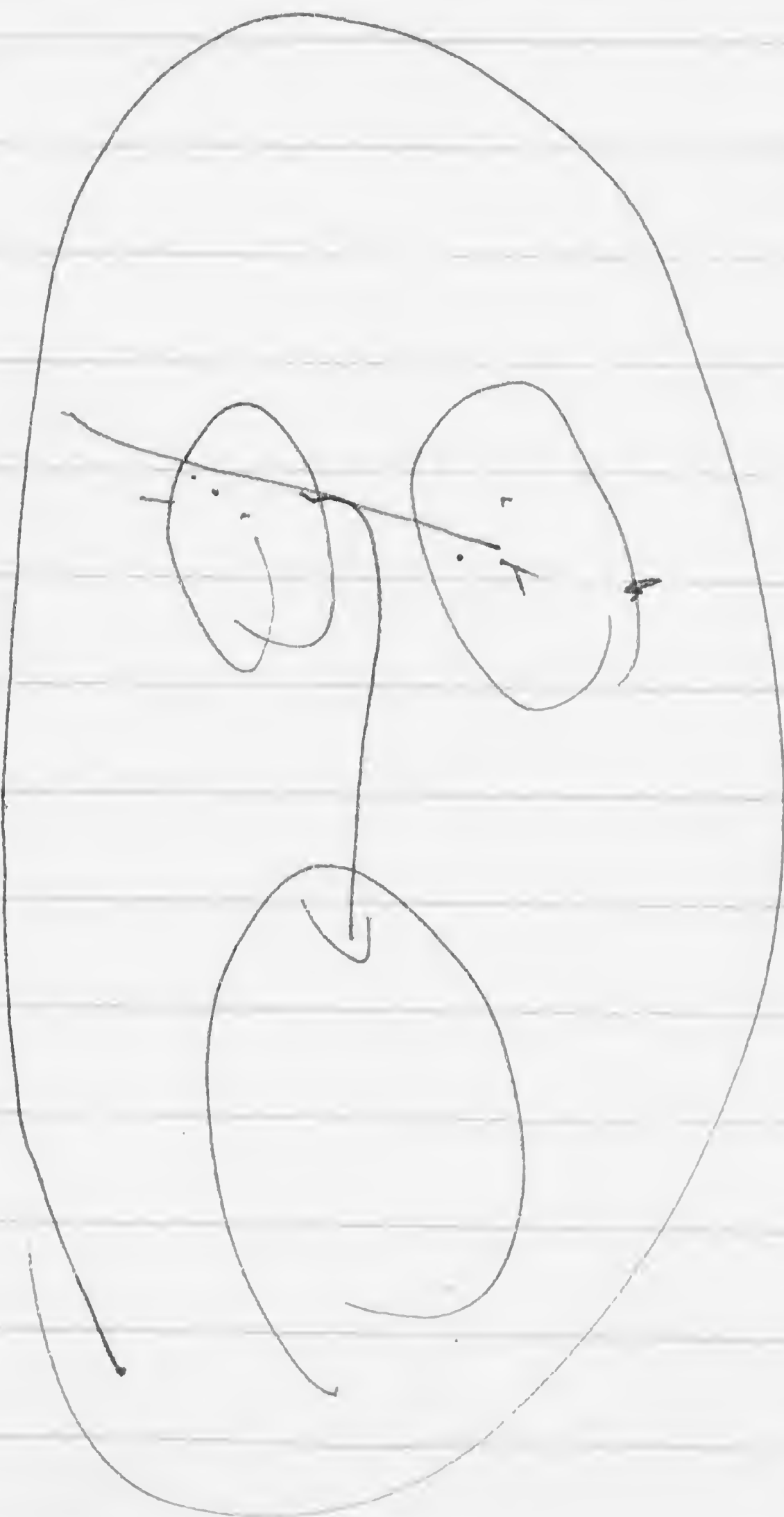


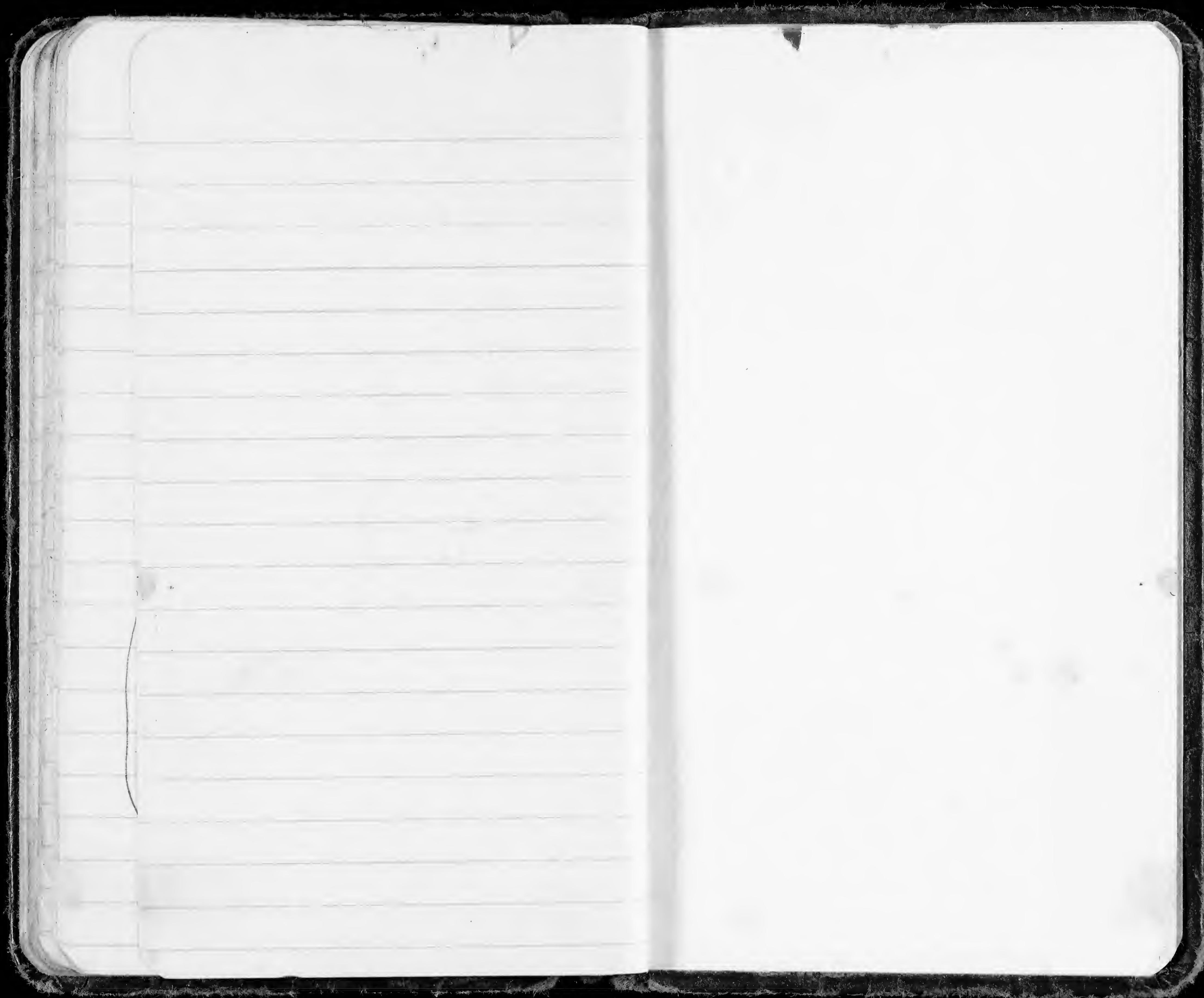




✓  
~~642557~~

757-64547 Brown Booby  
Adult







5  
7

9

6

54

4



7530-222-0078  
FEDERAL SUPPLY SERVICE



*Memoranda*

SIC # 5 1964

Christmas Is., June 19

Starbuck Is., June 25-26

McKean Is., July 19



ADP  
CPT  
Done 9/21/68

Sibley?

Cook Island, Christmas Island June 19, 1968  
Hawaii Noddy Nests - Marshall

652-43201 } Marshall  
301 }

401. Hawaiian

652-43501 Hawaiian



## Insects

Starbuck Island - June 25, 1964

S<sub>1</sub> Black ants - 15 spec. - off of sand + rocks at night

S<sub>2</sub> Dermestid sp. - 3 spec. off rocks + sand - night

S<sub>3</sub> Silverfish - off sand - at night

S<sub>4</sub> Thrips? - from sand - at night - near *Digitaria*

S<sub>5</sub> Small Diptera - spec. - from sand beneath *Digitaria* - at night

S<sub>6</sub> Insect sp. - from sand beneath *Digitaria* at night

S<sub>7</sub> Spider - beneath coral slab - night

S<sub>8</sub> Small black ants - spec. - from Sida - at night - on leaves + blossoms

Break  
S<sub>9</sub> Spider sp - Black backed, light bottomed - central + lateral stripes in the black 6/26/64

S<sub>10</sub> Spider sp - 2 spec. from *Digitaria* at night

Insects - Starbuck Island June 26, 1964

S<sub>11</sub>

S<sub>12</sub>

S<sub>13</sub>

S<sub>14</sub>

S<sub>15</sub>

S<sub>16</sub>

S<sub>17</sub>

S<sub>18</sub>

S<sub>19</sub>

S<sub>20</sub>

Insects - Starbuck I. June 26, 1964



Sooty Tern - Starbuck Island  
June 26, 1964

753-04001 - 04100 ✓ <sup>0730</sup> Sooty Tern - adults on nests  
04101 - 04200 ✓ <sup>0830</sup>  
04201 - 04300 ✓ <sup>start 0830</sup>  
04301 - 04400 ✓  
04401 - 04500 ✓ <sup>0930</sup> took 5 min for sample  
04501 - 04600 ✓ <sup>start 0935</sup>  
04601 - 04700 ✓  
04701 - 04800 ✓  
04801 - 04900 ✓ <sup>1130</sup>  
04901 - 05000 ✓

Huber 60001 - 60500

~~06001 - 06500~~ 07001 - 07500

60501 - 61000 ~~2500~~

06001 - 06500 ~~2000~~

~~06501 - 07000~~

06501 - 07000 ~~3500~~

38801 - 38900

38701 - 38800

38901 - 39000

Starbuck Island June 26, 1964  
Sooty Tern - adults on nests

753-09001-09100

~~09101-09200~~

~~09201-09300~~

~~09301-09400~~

~~09401-09500~~

~~09501-09600~~

~~09601-09700~~

~~09701-09800~~

~~09801-09900~~

~~09901-10000~~

~~Start 0900-1000~~

~~Start 0900-1000~~  
Hatch -

~~08001-08500~~

~~07501-08000~~

56001-56500

56501-57000

~~08501-09000~~

57501-58000

55001-55500

55501-60000



McKen July 19, 1964

Sooty Tern

793-65501-900

701-800

901-66000

71601-72000 - 4 strings

Return

743-58325 ~~lastly tagged~~

743-32714 ✓

723-66605 ✓

743-32792 ✓

743-58772 - ✓

743-33295 - ✓

723-66815 on egg ✓

743-39165 - ✓

652-40344 Blue Gray Noddy



ADP  
Sooty Tern - Return

743-58249 on egg ✓  
hatched

797 62801 - Audubon

~~90 Audubon~~

Sooty Tern  
743-  
63000

~~743-58149 Returns~~

~~58182, 58127~~

~~753-35357~~

~~743-58121~~

~~753-35292~~

~~743-58143~~

~~753-02101, 02104, 02115~~

~~743-37378~~

~~753-02109~~



✓ADP

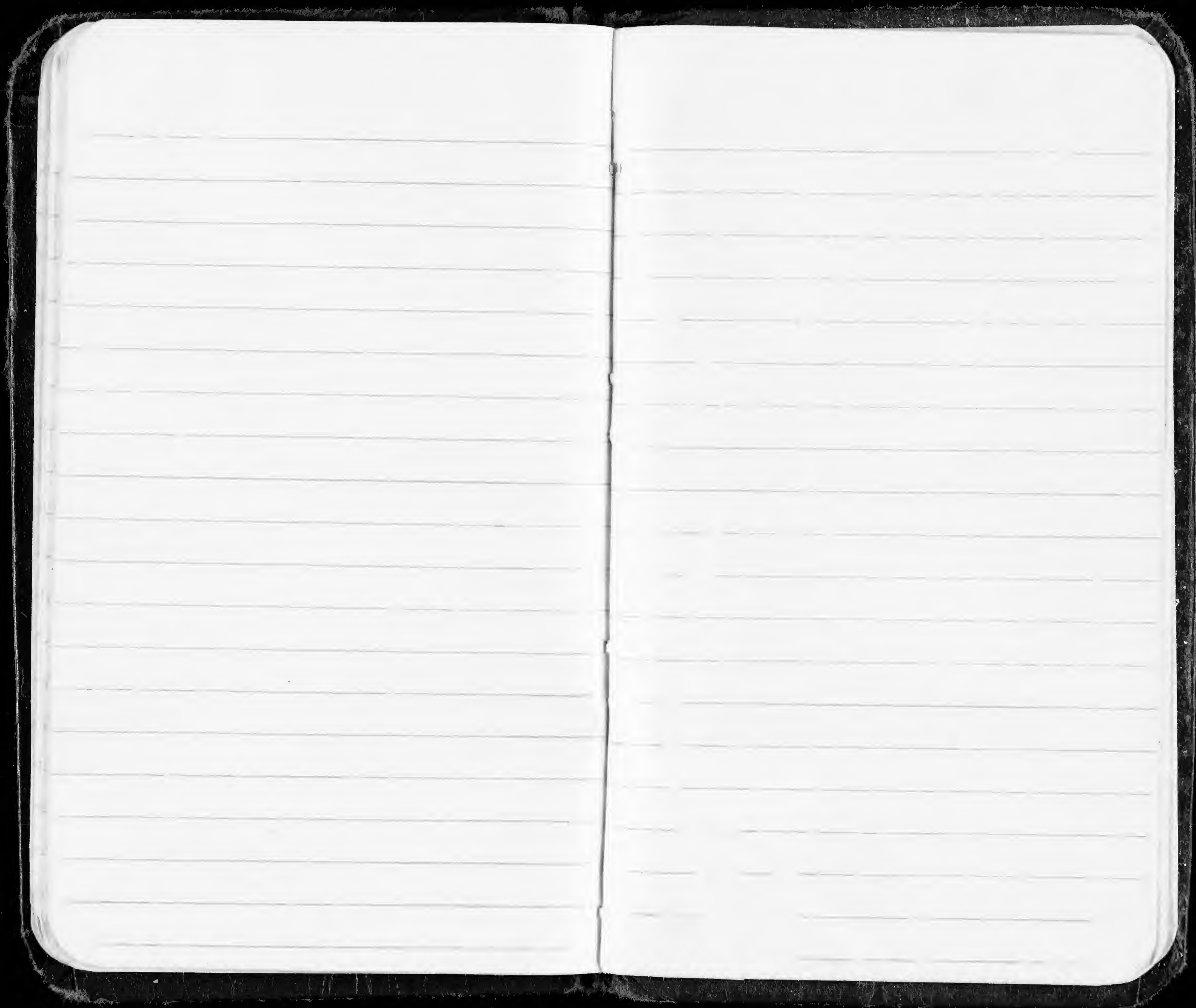
Ref. Body Return

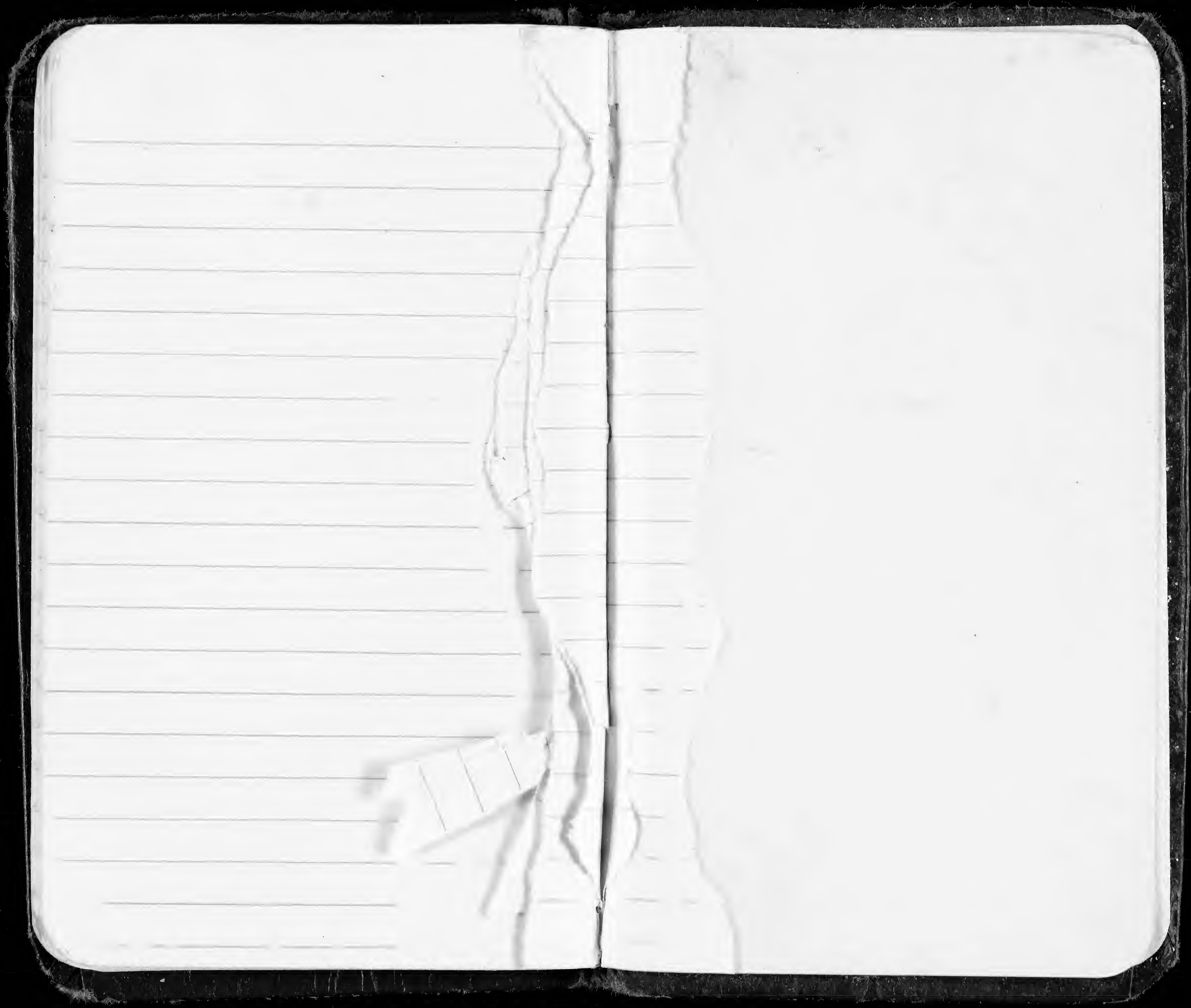
747-51149 ✓

747-51309 ✓















7530-222-0078

FEDERAL SUPPLY SERVICE

GPO

16-73124-1